

BANDING

✓ = banding schedule completed

✓ 30 Oct 63 Mokuania I. ✓ 615-02001 - 615-02025 ✓
Wedgetail Shearwater

✓ 31 Oct 63 Popoia I. ✓ 615-02026 - 615-02100 ✓
all immature Wedgetail Shearwater

✓ 18 NOV 63 Mokuania I. ✓ 615-02101 - 615-02135 ✓
all immature Wedgetail Shearwater

✓ 20 NOV 63 Kapapa I. ✓ 615-02136 - 615-02159 ✓
all immature Wedgetail Shearwater

✓ 21 NOV 63 Mokolii I. ✓ 615-02160 - 615-02191 ✓
all immature Wedgetail Shearwater

✓ 23 Nov 63 Manana I. ✓ 615-02192 - 615-02200 ✓
✓ 615-02201 - 615-02300 ✓
✓ 615-02301 - 615-02400 ✓ dh
all immature Wedgetail Shearwater

✓ 25 Nov 63 ✓ Moku Manu I. 615-02401 - 615-02500 ✓
all immature Wedgetail Shearwater dh

✓ 30 Nov 63 ✓ Manana I. 615-02501 - 615-03100
all Wedgetail Shearwater immature dh

- ✓ 1 Dec 63 ✓ Moku lua Is. 615-03101 - 615-03500 ✓
all immature Wedgetail Shearwater
- ✓ 21 Nov 63 ✓ Golden Plover 753-31001 banded at sea ✓
released at tide flat near Yacht Basin on Ala Moana
Honolulu, Oahu
- ✓ 23 Nov 63 ✓ Manana I. 753-31002 - 753-31003 ✓
Common Noddy
- ✓ 30 Nov 63 ✓ Manana I. 753-31004 - 753-31013 ✓
Common Noddy
- ✓ 22 Nov 63 ✓ Mokuapu Point 757-60501 - 757-60504 ✓
Red-footed Booby
- ✓ 25 Nov 63 ✓ Moku Manu 757-60505 ✓
Brown Booby nestling
757-60506 - 757-60509 ✓
✓ Red-footed Booby sub-adult
- ✓ 27 Nov 63 ✓ Mokuapu Point 757-60510 - 757-60700 ✓
Red-footed Booby
Recoveries: 697-69623
44-725037
- ✓ 3 Jan 64 ✓ at sea 757-60701 20°55'N 158°27'W
Black-footed Albatross

Red mark means that that part of shipment has been used up.

Band recd. from Robert Fleet, Jan. 19, 1964:

Size 3 - ~~✓~~773-00001 - 01000 1000

Size 5 - ~~✓~~615-03501 - 04000 500

Size 7B - ~~✓~~757-60702 - 61000 299

Size 8 - ~~✓~~568-70001 - 70200 200
1999

February 1, 1964 -

Ulupau Head Colony, Oahu, Kaneohe Marine Base

Red-footed Booby -

✓ ✓ 757-60702 - 6083⁵ - all adults except ✓ 134.

✓ ✓ #⁷⁵⁷ 60795 - immature

✓ ✓ # 757-60806 - Bird of the year

✓ ✓ # 757-60823 - Bird of the year

~~Recoveries~~ - Returns

✓ ✓ 44-725623 + new band # 757-60735

✓ ✓ 44-725560 + new band # 757-60763

✓ ✓ 44-725420 + new band # 757-60800

✓ ✓ 697-69626

Total-Banded 13⁴, Recovered 4.

Bands found in trunk for Starbrite:

✓ Size 3 753-31014 - 753-31100

✓ Size 7b 737-45003 - 737-45100

✓ banded at sea: ✓ 737-45001 + 737 45002

20° 15' 17" S, 158° 18' N Black-footed Albatross 4 Dec 63 1235 20° 15' N 161° 37' W

✓ 3 Feb 64 at sea ✓ 757-60836
Black-footed Albatross

✓ 3 Feb 64 at sea ✓ 757-60837
Red-footed Booby

Bands rec'd from Smithsonian Inst 19 Feb 64:

400 ✓ 76's 597-12401 to 12800

✓ 3's 773-13001 to 18000

Kilauea Lighthouse Colony, Kauai, Feb. 26, 1964 Coordinates: 22° 14' x 159° 24'

Bands TAKEN INTO FIELD:

✓ 757-60838-900, 757-60901-61000, ✓ 757-45003-45100

20 ✓ Bands used - All Adult RED-FOOTED BOOBY 757-60838 TO 757-60857 incl.

✓ 28 Feb 64 757-60858 to 757-60893 Red-Footed Booby. ✓
All adult except 757-60871 and 757-60876 immatures.

Manana Island 29 Feb 64 615-035031 to 615-03503 ✓

✓ ✓ Adult Wedgetail Shearwater - 615-03503 only dark phase

✓ ✓ Adult Common Noddy Tern 753-31014 to 753-31100 ✓

✓ ✓ Adult Common Noddy Tern 773-00002 to 773-00100 * ✓

✓ ✓ Adult Common Noddy Tern 773-00101 to 773-00116 ✓

✓ ✓ Adult Sooty Tern 773-00001 ✓

* ✓ 773-00032 lost

Bands received from Smithsonian 5 Mar 64

3's

✓ 773-45001-47000

Mohu Manu

B. B. 5

2 returns. R-F. B. 92

Mos. B. 1

W. T. 8

S. T. 584

Manana S. T. 211 Some Seved

W. T. 289

15 Mar 64 Moku Manu

- ✓ ✓ 737-45003-07 Brown Booby adult ✓
- ✓ ✓ 737-45008-99 Red-footed Booby adult ✓
- ✓ ✓ 737-45100 Masked Booby adult ✓
- ✓ ✓ 737-45065 new band - old band recovered +
sent to Washington D.C. old band # 40-735534
- ✓ ✓ Return: 697-69609 Red-footed Booby adult
all of above birds on eggs
- ✓ ✓ 615-03504-11 Wedgetail Shearwater adult ✓
- ✓ ✓ 773-00117-700 Sooty Tern adult ✓

BANDS RECEIVED FROM SMITHSONIAN 17 MARCH 64

#4 500 ✓ 544-45201-700
#5 1,000 ✓ 615-06101-0700

✓	✓ 773-00701-711	✓ Sooty tern	A U	Manana	20 Mar 64
✓	✓ 773-00801-826	Sooty tern	A U	Manana	20 Mar 64
	827	Sooty tern	A ♀	Manana	20 Mar 64
	828-832	Sooty tern,	A U	"	" " "
	833	Sooty tern	A ♀	"	" " "
	834-1000	Sooty tern	A U	"	" " "
✓	✓ 544-45201-300	✓ Wedgetail shearwater	A U	"	" " "
✓	✓ 615-03512-530	✓ Wedgetail shearwater	A U	"	" " "
	531 dark phase	"	A U	"	" " "
	532-552	"	A U	"	" " "
	553 dark phase	"	A U	"	" " "
	554-609	"	A U	"	" " "
	610 dark phase	"	A U	"	" " "
	611-664	"	A U	"	" " "
	665 dark phase	"	A U	"	" " "
	666-700	"	A U	"	" " "
	✓ 701-907	"	A U	Popoia	21 Mar 64

of which the following numbers dark phase
(712, 750, 826, 832, 849, 877, 894)

25 March Mokuania Is,

17 ✓ ✓ 615-03903 to 615-03974 ✓ Wedgetail Shearwater
03943 dark phase 66 " "

26 March, Kilauea Lighthouse, Kauai, Hawaii 22°14'x159°24'

Wedgetailed Shearwater Adults: all Light Phase except.

✓ 615-06301-400 ✓ 100 - # 28, 87 Dark Phase

✓ 615-06401-500 ✓ 100 - # 10, 13, 20, 28, 98, Dark Phase

✓ 615-07001-07002 ✓ 02

202

1951. Phase, 7 D. Phase.

27 March Kilauea Lighthouse, Kauai, Hawaii

✓ 615-07003-07100 ✓ 98 - # 32, 53 D. Phase

✓ 544-45401-404 ✓ 4 -

102

Wedge tails

26 March, Kilauea Light House -

Red-footed Booby 597-12601-17 (17) all Adults ✓
except 04, 05, 16 immatures
09, 10 Locals.

Reports 1 Feb

Summary Jan thru 29 March sent to Washington
Mrs. Church March 31st JKH

29 March Mokolii (Chinaman's Hat)

Oahu, Hawaii

26 ✓ 615-03975-4000 ✓ Wedgetail Shearwater

984, 992 dark phase

100 ✓ 615-06101-6201 ✓ Wedgetail Shearwater

120 dark phase, 160 band lost

Rec'd from Mrs. Church

1 April, 1964

100 ✓ Size 8	568 - 71201 - 300	NOT USE AS OF MAY 4
5100 ✓ Size 3	773 - 40901 - 4 ⁵ 000	and 773-47001 - 48000.
700 ✓ Size 2	652 - 42001 - 652 - 42700	
196 ✓ Size 5	615 - 06005 - 06100	✓ 615 - 08001 - 08100
900 ✓ Size 5	615 - 07101 - 08000	
870 ✓ Size 7B	757 - 89130 - 757 - 90000	
1000 ✓ Size 7B	857 - 80001 - 857 - 81000	

8 Apr 64 Popoia Island

✓ 99 ✓ 615-06202 to 615-06300 Adult Wedgetail Shearwater ✓
03, 24, 40, 81 dark phase

✓ 96 ✓ 615-06005 to 615-06100 ✓ Adult Wedgetail Shearwater
14, 24, 41, 53, 60 dark phase

✓ 200 ✓ 615-07101 to 615-07300 ✓ Adult Wedgetail Shearwater
153, 162, 214, 239 dark phase

✓ 100 ✓ ~~615-08001 - 08100~~ ✓ Adult Wedgetail Shearwater
495 10, 79, 97 dark phase

✓ ~~615-03758~~ recovered from dead Wedgetail.

✓ 615-03910 ✓ Foreign retrap (25 Mar 64 - Moerua Island)

9-10 Apr 64 Manana Island

89 ✓ ~~773-00712 to 800~~ Adult Sooty Tern ✓

5000 ✓ 773-13001 to 18000 Adult Sooty Tern ✓.

2600 ✓ 773-40901 to 43500 Adult Sooty Tern ✓

300 ✓ ~~615-07301 to 07600~~ Adult Wedgetail Shearwater ✓
356, 446, 456, 474, 524, 538, 560, 597, 598 dark phase

1 ✓ 544-45405 Adult Wedgetail Shearwater ✓
7990

9 Apr 64 cont.

Returns: ✓ 723 - 44294 ✓ Adult Sooty Tern Red plastic band other leg
✓ 723 - 44344 ✓ " "

(probably P. Ashmole's - lapped too far to read 1st number)

April 13.

Bands taken from ATF trunks.

✓ 753 - 40001 - 50,000

✓✓ 753 - 51001 - 60000 taken on ATF

✓ 615 - ~~65501 - 66000~~ 04501 - 06000

✓ 595 65501 - 66000

April 12. MoKUAHIA Is.

✓✓ 544 - 45406 - 45500 ✓ Adult Wedgetail Shearwater

✓✓ 615 - 07601 - ~~07700~~ - 07700 ✓ Adult Wedgetail Shearwater #18 part. albino

✓✓ 615 - 07701 - 07800 ✓ Adult Wedgetail Shearwater

6 dark phases found Est. 95% of birds banded.

April 14 Chinaman's Hat

✓✓ 615 - 07801 - 07900 ✓ Adult Wedgetail Shearwater

pairs of birds - (9+10, 11+12, 13+14, 23+24, 25+26, 29+30, 31+32,

41+42, ⁶¹⁵⁻06163 + 50, 52+53, ⁶¹⁵⁻06170 + 55,

⁶¹⁵⁻03997 + 70, ⁶¹⁵⁻06158 + 77, ⁶¹⁵⁻06165 + 79, 83+84,

92+93, 94+95. - These are banded pairs.)

615-07838 is dark phase + 2 more dark phase returns

April 15. Popoia Is. ✓

100

✓✓ 61507901 - ⁰⁸⁰⁰⁰ ✓ adult WT Shearwater pairs - 01+02, 3+4, 8+9,

17+18, 48+49, 52+53, 85+86, 91+92, [22, 33, 52 Dark Phase]

over

April 15 Popoia Is.

- 100 ✓ 595-65501 ✓ Adult W.T. Shearwater - pairs 06+07, 15+16, 19+20
75+76 [69, 91 Dark Phase)
- 100 ✓ 595-65601 ✓ Adult W.T. Shearwater [10, 24, 32, 46, 54, dark phase]
- 100 ✓ 595-65701 ✓ Adult W.T.S. [5, 10, 46, 79, dark phase] also 93
- 100 ✓ 595-65801 ✓ Adult W.T.S. [63, 50, dark phase]
- 12 ✓ 652-42008-12 Adult Bulwers petrel - pair 11+12

April 18 Popoia Is. Huber, Hoeman, STANDEN

- 100 ✓ 595-65901 to 66000 ✓ Adult WTS [50, 56, 69, 84, 98] 08-09, 30-31, pairs 25-26 47-48
dark phase
- 100 ✓ 615-04501 to 04600 ✓ Adult WTS [01, 16, 74] 22-23 74-75 97-98
dark phase 29-30 81-82 pairs
- 100 ✓ 615-04601 to 04700 ✓ Adult WTS [01, 16, 74] 11, 12 34, 70 11-12 pair
dark phase
- 100 ✓ 615-04701 to 04800 ✓ Adult WTS [22, 46, 50, 61, 68 dark phase] 23-24, 54-55 pairs
- 100 ✓ 615-04801 to 04900 ✓ Adult WTS [01 dark phase]
- 100 ✓ 615-04901 to 05000 ✓ Adult WTS [42, 50 dark phase] 12, 13 65-66 pairs 65♂ copulate 66♀
- 3 ✓ 615-05001 to 05003 ✓ Adult WTS
- 27 ✓ 544-45304 to 45327 ✓ Adult WTS
- 28 ✓ 652-42013 to 42040 ✓ Adult Bulwers Petrel 01-22, 20-19, 23-24
02-29, 33-34, 27-28 pairs

Band 615-03896 removed from dead wedgetail

21 April - Kilauea lighthouse - Kauai

- ✓ 615-05004 to 05200 ✓ Adult WTS [08, 14, 33, 40, 65 DARK PHASE]
- ✓ 757-89130 - Redfooted Booby - imm. ✓
- ✓ 615-05101 to 05200 ✓ Adult WTS [25 DARK PHASE]
- ✓ 615-05201 to 05260 ✓ Adult WTS [22, 40 DARK PHASE]

North
1 May - Makulua Island Oahu

- ✓ 615-05261 to 300 ✓ Adult WTS [62-65 65-66 71-72 78-79] 63 dark phase
67-68 74-75 81-82
- ✓ 615-05401 to 500 ✓ Adult WTS [pairs 16-17 23-24 26-27 33-34 40-41 62-63
12-13 20-21 28-29 31-32 36-37 56-57 64-65
66-69 79-80 86-87 39-93
72-73 83-84 89-90 94-95

North Makulua Is., Oahu continued

1 May

Ammerman, Hoeman, Huber, Long

✓ 615-05501-600 Adult WTS [Pairs 07-08 18-19 24-25 28-29] 11 Dark Phase

✓ 615-05601-700 Adult WTS [Pairs 13-14 37-38 48-49 61-62] 01, 68, 83, 84 Dark phase

✓ 615-05701-800 Adult WTS [Pairs

✓ 615-05801-900 Adult WTS [Pairs 25-26 43-44 58-59 72-73 78-79 86-87

01-02 36-37 52-53 68-69 75-76 84-85 88-89

90-91 94-95 98-99 57 lost

92-93 96-97] dark phase 12, 27, 65, 79, 99

✓ 615-05901-6000 Adult WTS [14-15 31-32 83-85] 56 70 dark phase

✓ 652-42041-100 Adult Bulwers [41-42 48-49 56-57 71-72 77-78 81-88 94-95]

46-47 50-51 67-68 73-74 85-86 92-93 97-98]

MANANA May 2, 64

Long, Ammerman, Huber

✓ 753-40001-40500 ✓ Sooty Adult

✓ 773-43501-44000 ✓ " "

4800 all together

✓ 773-44001-47300 ✓ " "

✓ 652-42101-42201 and 2 ✓ is adult Bulwers petrel - a pair.

Returns ✓ 723-44287

✓ 44289

✓ 44298

✓ 44319

✓ 44332

banded on right leg and red plastic band on left leg.

one sooty found with a heart shape hole punched in outer web of right foot.

Mokapu Point

6 May 64

King, Bratley, Huber

✓ 757-60894-900 ✓ Red-footed Booby adult

70 ✓ 757-89131-200 ✓ Red-footed Booby

77

40, 41, 50 sub-adult 42, 48, 49 immature

Returns: ✓ 757-60595, 99 Red footed Booby adult

✓ 757-60788, 94, 83 Red footed Booby adult

✓ 757-60804, 11 Red footed Booby adult

✓ 757-60803 Red-footed Booby adult

May 8, 64 Bands Rec. from S.I.
 # of Bands
 100 544-50501-600
 500 ✓ 652-~~544~~ 44501-45000 - taken on ATF
 3000 615-14501-17500 ~~544~~
 3600

May 8, 64 King, Bratley, Huber, Walker^(fish and Willet) and Krider (fish and Willet)

Papaia Is.

900 Wedgetailed Shearwater ✓ 615-14501-15300 # 14509, 767, 778, 618, 658, 692+3
 73 ✓ 544-45328-45400 - # 15059, 075, 095, 272, 265 dark phase
 8 Bulwer's Petrel ✓ 652-42003-42110 - # 35 84 and 99 D. Phase
 88,1 not recorded for 801-900

May 10, 64 Mokuauia Is. King Bratley Huber and Long.
 Wedgetailed shearwater ✓ 615-15301-400 26, 30, 41, 53, 67, DP.
 27 returns. (less than 3 months)

May 13 64 Haleakala Crater King Bratley and Huber
 ✓ Dark Rumped Petrel - 544-50501 ✓

May 23 Bands Rec. from S.I.

1500 #5 615-17501-19000
 3000 ✓ #5 625-85001-88000 taken on ATF
 4500

May 24th 64 Manana Is.

✓ Bulwer's petrel - 652-42111-16 ✓
 ✓ Sooty Tern - 773-47301-47600 ✓
 ✓ Sooty ~~Bulwer's~~ Return - 723-44297^{Red} Red band ✓

May 28 Popoia

personnel Sundell and Huber.

- ✓ Wedgetailed shearwater - 615 15401-15500 ✓ H, 18, 64 D Phase
- ✓ Bulwer's petrel 652-42117-135 - 1907 + 20 ♀ with well developed egg inside
30 and 26 sitting on very fresh eggs
- ✓ # 615-14544 and 06287 found on dead W.T.S.

May ³⁰ 28 Popoia

Wedgetailed Shearwater 615-15501-600 ✓ #67 partial albino head and neck mottled
#66 Dark Phase

- ✓ Bulwer's petrel 652-42136 - 42155 ✓ #39 + 40, 46 + 53, 47 + 48 or pairs
#53, 46, 33 on fresh eggs

42002, 42030 and 42034 sitting on fresh eggs

615-14690

~~04907~~
~~04647~~ found on dead wedgetails
~~14635~~
~~14857~~
~~14655~~
~~04599~~

Offshore Is. Report made up to here. Larry June 6, 1964

12 June 64 Popoia Island

- ✓ 615-15601 to 625 ✓ Wedgetailed Shearwaters 1 dark phase
- ✓ 652-42156 to 167 ✓ Bulwer's Petrel
- ✓ 615-04856 Recovered from dead Wedgetail
- ✓ 615-15201 " " " "

14 June Manana I.

- ✓ 773-47601 to 48000 Sooty Tern local ✓
- ✓ 753-40501 to 42000 Sooty Tern local ✓

18 June 1964

Mokuaia Island

✓ ~~615-15626 - 15632~~ ✓ Wedge-tailed Shearwaters

23 June 1964

Popoia Island

✓ ~~615-15633 - 15698~~ ✓ Wedge-tailed Shearwaters

✓ ~~652-42168 - 42176~~ ✓ Bulwer's Petrels

156 59, 61, 95 Dark Phase

615-15699, 15700 - LOST

Recoveries: from dead WedgeTails

✓ ~~595-65852~~

✓ ~~595-65832~~ (dark phase)

✓ ~~615-14620~~

24 June 1964

Mokolii (Chinaman's Hat)

✓ ~~615-15701 - 615-15725~~ ✓ Wedgetailed Shearwaters

9, 12, 14 - Dark Phase

29 June 1964

Mokuaia Island

✓ ~~615-15726 - 615-15755~~ Wedgetailed Shearwater

5 July 64 Mokapu Point

83 ✓ ~~597-12618 to 700~~ ✓ Red-footed Booby 629+678 Adult - rest ^{nesting} ~~rest~~

15 ✓ ~~597-12701 to 775~~ ✓ Red-footed Booby 729, 767, 772 Adult - rest ^{nesting} ~~rest~~

7 July 1964 Mokapu Point (Kaneohe Marine Base)

✓ ~~597-12776 to 597-12800~~ Red-footed Booby

✓ ~~597-12501 to 597-12546~~ Red-footed Booby

9 July 1964 Mokuapu Point (Kahoe Marine Base) Oahu
✓ ~~597-12547~~ to 597-12500 ✓ Red-footed Booby
✓ ~~587-80201~~ to 587-80210 ✓ Red-footed-Booby

7 July 64 Kilanea Point, Kauai
✓ 652-42177 Bulwer's Petrel on egg ✓
✓ ~~597-12401-500~~ ✓ Red-footed Booby nestling
✓ ~~757-89201-238~~ ✓ Red-footed Booby nestling
✓ return: 757-60869 Adult Red-footed Booby w/ chick

10 July 64 Kilanea Point, Kauai
✓ 757-89239-270 ✓ Red-footed Booby
39, 42, 44, 45, 46, 47, 48, ~~49~~ 50, 51, 53, 55, 56, 57, 58, 59, 60, 61
62, 64, 65, 66, 68, 69 Adult 49 sub-adult 40, 41, 43, 52, 54, 63,
67, 70 local
✓ ~~615-15801-831~~ ✓ Adult Wedgetailed Shearwater - 804 dark phase
✓ returns: 757-60866 Adult Red-footed Booby
✓ 544-45401 Adult Wedgetailed Shearwater
✓ 615-06310, 324, 388, 399 Adult Wedgetailed Shearwater

23 July 1964 Kaohikaipo Island, Oahu

Wedge-tailed Shearwater

✓ ~~615-15756-15800~~ ✓

✓ ~~615-15901-16000~~ ✓

6 Aug 1964 Haleakala Crater Maui

Dark-Rumped Petrel.

✓ ~~544-50502~~ - L. Downy nestling ✓
✓ 50503 - Adult

Aug 22, 1964

Kilauea Point, Hawaii

✓ 544 - 565, 10, 16, 17, 18, 20, 23, 25, 26, 27, 30, 31, 32, 33, 36, 37, 39
44, 46, 47, 49, 52, 53, 59, 61, 64, 69, 74, 77, 98, Wedgetail chicks

50504-09

✓ 544 - 50511, 12, 13, 14, 15, 19, 21, 22, 24, 28, 29, 34, 35, 38, 40, 41, 42
43, 45, 48, 50, 51, 54, 55, 56, 57, 58, 60, 62, 63, 65, 66, 67, 68
70, 71, 72, 73, 75, 76, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91
92, 93, 94, 95, 96, 97, 99, 600 Wedgetail adults

✓ Adult Wedgetail returns - 615-15807, 07084, 06461, 06460, 06494, 07001, 06499, 06319
05088, 06461, 05138, 05193, 15807, 06362, 05100, 15802, 05065, 05072
05077, 05112, 05059, 06363

R.F. Booby return - 757-89242, 60874

21 Oct 64 Popoia Island, Oahu

✓ 625-30001-100 Wedgetailed S.

Wedgetail Adults: 02, 06, 07, 08, 10 (Dark), 16, 30, 34, 40, 50, 57, 61, 63,
68, 73, 78, 81, 83, 88, 89, 91, 97, 99 rest Wedgetail chicks - 65 dark chicks

✓ 625-30101-200 Wedgetailed S.

Adults: 01, 04, 11, 12, 13, 14, 22, 23, 27, 29, 39, 43, 47, 48, 49, 54,
56, 61, 72, 74, 75, 78, 79, 80, 81 (Dark), 82, 83, 85, 87, 90, 92, 94, 97, 99 rest chicks
45 dark chicks - 01 feeding 02 chicks

✓ 625-30201-300 Wedgetailed Shearwaters

Adults 01, 03, 07, 08, 09, 10, 12, 14, 15, 20, 22, 23, 26, 27, 29, 30, 32, 33,
34, 36, 38 dark, 39, 40, 45, 48, 49, 50, 51, 52, 55, 57, 59, 61, 64, 65, 66, 70, 71
81, 85, 93, 96, 97, 98, 99, 300, at least 1 adult not recorded rest chicks

✓ Returns: 544-45388 575-65556, 65678, 65904, 65928 615-03798, 03861,
04661, 04762, 04809, 04838, 04979, 06039, 06096, 06208, 06214, 06273, 06285

Banded Rabbit I. 9 Apr 64

✓ 615-07226, 07242, 07317, 07959, 07962, 14539, 14549, 14595
 ✓ 15039, 15101, 15204, 15598

24 Oct 64 Rabbit Island

✓ ~~625-304301-500~~ Immature Wedgetail except 388 adult Wedgetail
 ✓ ~~625-31501-32000~~ Immature Wedgetail except 31911, 31987 Wedgetail adult
 Partial dark phase list: 30441, 19, 31505, 28, 47, 31747, 49, 60, 77, 90, 95, 31939
 out of 233 birds

28 Oct 64 Popoia Is. Oahu

✓ 625-32002, 32003, 32012, 32016, 32018, 32026, 32031, 32032, 32033,
 32035, 32038, 32039, 32040, 32047, 32048, 32049, 32050, 32051, 32075
 32086, 32095, 32096, 32101, 32152, 32189, Wedgetail chicks. (immature)
 32001, 32004-32011, 32013, 32014, 32015, 32017, 32019-32025, 32027-
 32030, 32034, 32036, 32037, 32041-32046, 32052-32074, 32076-
 32085, 32087-32094, 32097-32100, 32102-32151, 32153-32188,
 32190-32200 Wedgetail adults. — Band no 625-32051, 32153, 32150 were
 dark phase Wedgetail adults.

Returns - 5441-45365, 45367, 596-15826, 15507, 15528, 65543, 65646,
 Wedgetail adults 65733, 66711, 65984, 615-03734, 03705, 03718, 03729, 03762, 03829,
 03853, 04539, 04603, 04697, 04795, 04818, 04851, 04926, 04974,
 06042, 06281, 06218, 06282, 07195, 07293, 07225, 07251, 07262,
 07924, 07927, 08081, 08011, 08037, 08071, 14510, 14547, 14577,
 14586, 14587, 14588, 14607, 14631, 14654, 14670, 14674, 14719, 14721,
 14818, 14822, 14837, 14893, 14904, 14951, 15108, 15080, 15134, 15154,
 15220, 15272, 15408, 15438, 16427, 16500, 15541, 15589, 15596, 15562, 15695

26 Oct 64 Kilanea Point, Kauai

✓ 524-94601 ✓ Newell's Shearwater adult

✓ 524-94605 ✓ 06, 08, 09, 12, 13, 15, 18, 20, 21, 22, 24^{dark}, 27, 29, 30, 32,
34, 36, 37, 38, 39, 41, 45, 46, 48, 49, 52, 54, 56, 57, 59, 60, 61, 67,

68, 70, 71, 72, 73, 75, 79, 81, 83, 84, 85, 86, 89, 90, 91, 92, 93, 94,

95, 96, 97, 99, 100 Adult Wedgetail Shearwater - rest of string ^{nestling} ~~Wedgetail~~

✓ Returns: 544-50507, 15 615-05022, 31, 44, 57, 05104, 165, 06401, 416, 417, 436,
457, 477, 481, 482, 06340381, 07019, 036, 078, 093, 15813 adult Wedgetail

✓ Recoveries: 597-12461 and ca. August 597-12445, 757-89267 Red-footed Booby
Kilanea Point Kauai

✓ 29 Oct 64 524-94801-812 ✓ Adult Newell's Shearwater 813 immature Newell's

(*) 524-94701-100 on loan to Terry Swedberg, Kauai Fish & Game

1 Nov 64 Chinaman's Hat

✓ 625-32201-38 ✓ nestling Wedgetail 04 dark phase

✓ 524-94814 ✓ nestling White-tailed Tropicbird

27 Jan 65 MOKAPU POINT

✓ 757-89501-50 Red-footed Booby

05, 16, 26, 49 immatures 37, 47 subadults - rest adults

1 March 1965 MOKAPU PT.

✓ 757-89551 thru 757-89700 all adults (see additional soft part info.) except 89688^{Imm.}

✓ + 89577, 86 sub-adult?

✓ Returns: 44-75087, 257-60517, 542, 551, 598, 644, 661, 665, 675, 700, 753, 754, 757, 760

225, 832, 89131, 132, 136, 183, 503, 511, 514, 523, 536 all white adults

✓ Recovery: 757-60652

April 1, 1965 Mokapu Pt., Oahu

Banding:

~~Red-footed Boobies 757-60924-41~~

All A-U - See soft-part color notes.

Returns: 597-12538; 757-60588, 89133, 89134, 89564, 60734, 60791. (All RFB-A-U)
Immature ↑

April 1, 1965 Popoia Is., Oahu

Banding: ~~Wedge-tailed Shearwater A-U 625-35001-200~~ ✓

Dark Phase: 013, 034, 063, 117, 127, 146, 193

Returns:

544-45324	595-65505	595-65868	615- 03822	615-04752
-45321	-65521	-65885	-03841	04769
-45312	-65541	-65853	-03845	04785
-45329	-65588	615-06017	-03850	04840
-45362	-65592	-06039	-03855	04883
-45374	-65609	-06053	-03860	04892
-45400	-65606	-06060 (DP)	-03871	04908
		-06073	-04505	04919
595-65902	-65637	-06074	-04526	04923
-65904	-65658	-06075	-04585	04931
-65906	-65669	-06099	-04603	04937
-65918	-65711	-06213	-04619	06017
-65922	-65713	-06292	-04637 (D.P.)	07111
-65924	-65738	-06298	-04641	07123
-65926	-65792	-03705	-04651	07130
-65932	-65821	-03707	-04655	07153 D.P.
-65977	-65825	-03715	-04659	07154
-65981	-65832	-03792	-04669	07204
-65545	-65836	-03796	-04672	07217
-65508	-65838	-03799	-04714	
		-03830		

615-07224	14526	15131	30233
07235	14542	15203	30247
07236	14546	15223	30260
07239 D.P.	14595	15225	<u>30263</u>
07269	14600	15226	32001
07275	14618	15233	32021
07300	14627	15255	32066
07901	14647	15262	32110
07902	14650	15267	32130
	14675		
07904	14677	<u>15278</u>	32147
07928	14678	15413	32179
07931	14707	15416	32193
07944	14770	15419	32197
07946	14803	15444	
07949	14811	15448	
		15482	
07974	14834	15485	
<u>07976</u>	14869 D.P.	15491	
08029	14936	15506	
08031	14978	15558	
08035	14984	15571	
08051	14987 D.P.	<u>15583</u>	
08053	15007	15608	
	15012		
08054	15020	15657	
08074	15052	15666	
08075	15068	15669	
08088	15075	<u>15694</u>	
<u>08094</u>	15110	625-30104	
13561?	15113	30156	
14506	15125	30179	

Kilanea Pt Kanai

5 Apr 65 635-20541-20600 ✓ Adult Wedgetail

~~635-10059-10100~~ ✓ "

~~635-11011-11061~~ ✓ "

9 Apr 65 625-32301-400 ✓ "

8 Apr 65 625-32239-300 ✓ "

9 Apr 65 635-10109-10200 ✓ "

10 Apr 65 635-22085-22100 ✓ "

Kilanea Ledge, Kanai 8 Apr 65 635-11062-11065 adult Wedgetail

9 Apr 65 635 11066-11098 "

Makolea Point Kanai 10 Apr 65 635 22001-22009 "

Malapili Kanai 10 Apr 65 635 22010-22084

Kauelidon, Kanai 8 Apr 65 635-11099-11100 adult Wedgetail

Kilanea Pt, Kanai

8 Apr 65 587-80716-36(499)⁷ Red-footed Booby

28, 34 immature 35, 99 sub-adult rest adult

9 Apr 65 587-80737-80746 Red-footed Booby

38, 39, 43, 45 immature, rest adult.

Kilanea Pt. Kanai 5 May 65 587-80301-15 Red-footed Booby

01-03, 09, 10, 14, 15 immature 08 subadult, rest adult

Kilanea Point Kanai

5 May 65 587-80747-80800 ✓ Red-footed Booby

47, 57-98, 800 nestling, 99 sub-adult, rest adult

587-92833-99 Red-footed Booby

32-50 adult, 51-99 nestling

615-15877-15900 Wedgetail adults

~~625-32401-500~~ ✓ "

4 May 65 ~~615-15857-76~~ ✓ "

4 May 65 544-51107-28 ✓ adult Newell's Shearwater

5 May 65 544-51129-31 ✓ "

✓ recovery: 615-06367 2 Apr 65 Wedgetail

K Lamea Pt.	returns:	615-05060	4-5-65	615-05200	4-8
524-94637	4-5-65	64		206	
94639		81	4-9	07	
94670		82		08	
94673	4-8-65	85	4-5	09	
94675		86	4-9	13	4-9
94684	4-10-65	87	4-8	17	
94700	4-05-65	89	4-5	22	
544 50524		93		25	4-8
50548	4-9-65	95		38	4-9
50556	4-8-65	05103		39	
50567	4-9-65	05		41	
50568	4-8-65	06		42	
50572	4-5-65	08	4-8	05828?	
50578	4-8-65	17	4-5	06301	4-5
50597	4-5-65	18		02	
615-05013	4-9-65	25		05	
05016		27	4-8	06	4-8
05020		28		07	4-5
05021		36		10	4-8
05022		37		13	
05024		38		17	
05029	4-5-65	47		19	4-5
05035		62	4-5	26	
05046		81		28	4-8
05047	4-8-65	83	4-8	31	4-5
05048		90	4-5	39	
05051	4-9-65	91	4-8	40	
05054		92		44	
05055	4-8-65	93	4-5	51	4-8
05059	4-5-65				

Lehua Rock ✓ 4 May 65

✓ 587-92801-02, 12-17, 20-32 Red footed Booby

27, ²⁴26, 29-31 nestling, rest adult - 15 dark

✓ 587-92803-11, 18, 19 Brown Booby nestling

✓ 615-15832-55 Adult Red-tailed Tropicbird

37, 50 not on egg, 32 hatching chick, 51, 54 on chick
rest on egg.

✓ 615-15856 Wedgetail adult

✓ 12-00386 Hawaiian Noddy local

Kilauea Pt. returns cont.		615-07020	4-5	597-12607	4-8
615-06356	4-8-65	21		44-725478	1
76		26		587-80727	
84		29	4-8		
06401	4-9	32			
05	4-5	37	4-5		
06		42			
07		43			
08	4-8	44			
09		45			
10		51			
13	4-5	54	4-9		
14		59	4-5		
25	4-8	70			
29		75	4-8		
33	4-5	76			
47	4-9	83	4-5		
50	4-8	85	4-9		
51		86	4-9		
53	4-9	93			
55		96			
67		97			
76		98			
07002	4-5	15807	4-8		
11		16	4-9		
13		17			
14		757-60882	4-8		
15		88	1		
17		597-12427	4-9		
18		12593	1		
19					

8

K. Lancia Pt returns 5 May 65

524-94638

~~597-12604~~

~~79~~

757-60843

544-50512

51

13

53

615-05040

62

58

67

05475

81

84

~~89239~~

95

~~67~~

06321

24

37

55

60

61

65

88

06441

64

~~07077~~

29 May 1965 Popoia Island

Banding: 625-33001-400 Wedgetailed Shear. A-4.

1712-00387-90 Bulwer's Petrel A-4

Returns:

Wedgetail Shear.

544-45327	595-65898	615-04737	615-67115	615-14562
329 •	924 •	758	128	586
347	926 •	770	163	593
355	615-03707 •	787	204 •	595 •
357	769	795	243	659
367	808	867	247	679
595-65501	821	881	266	698
507	828	883 •	275 •	706
533	832	892 •	292	757
534	855 •	897	294	766
536	861	923 •	707 <small>Inter-island banded on Mokuania Is. 12 Apr 1964</small>	771
539	876	937 •	935	778
540	877	943	941	787
543	904	953	948	792
548	04530	964	958	876
552	547	979	959	916
564	551	05002	998	923
567	570	06021	08056	957
607	631	040	060	15006
621	637 •	058	078	039
685	645	073 •	079	103
770	694	081	086	107
771	695	263	14513	110 •
782	720	280	514	111
884	721	283	549	114

29 May 1965 (cont.)

615- 15151	615-15649
167	664
261	665
267 •	625-30050
<u>295</u>	123
428	203
431	236
435	271
442	293
465	32020
484	044
496	092
537	105
553	130 •
557	140
567	143
	149
575	160
598	165
<u>600</u>	184
641	189
643	33089
647	35051 •
648	085 •

625-35093 •
101 •
108 •
112 •
135 •
159 •
190 •
199 •

Bulwer's Petrel

~~652-42030~~ AWE

Recoveries - Wedgetail

615-07202

14860

15068

15408

15596

625-32199

- indicator caught 1 April 1965
- banded 1 April 1965

Mozapu Point 1 June 65

✓ 767-42701-800, 801-900, 901-3000 Red footed Booby.
adults: 702, 704, 707, 711, 721, 725, 726, 728, 748, 750, 755, 757, 767,
768, 782, 783, 787, 788 and 2 whose numbers were not recorded.

804, 806, 807, 809, 821, 827, 831, 833, 839, 840, 844, 846, 848, 848,
850, 853, 855, 857, 863, 886, 905, 907, 914, 915, 917, 919, 920,
922, 924, 925, 926, 929, 933, 935, 936, 939, 946, 953, 954, 955,
957, 958, 964, 966, 974, 975, 977, 984, 985, 986, 987, 993,
994, 999, 3000. 917 dark phase

Immatures: 851, 862, 959, 962, 970, 971, 989, 990, 992, 998
rest were nestlings.

Returns: 597-12691 immature, (697-69611, 1875760589, 60608, 611, 615, 631,
687, 691, 754, 759, 775, 89147, 151, 163, 164, 167, 168, 177, 89503, 34, 57, 76,
79, 83, 93, 96, 600, 649, 657, 670, 672, 673, 675, 683, 686, 692, 696, 60813,
60819, 60828

Recovery: 757-89595

7 June 1965 Papoia Is.

Banding ✓ 625-33401-500 Ad Wedgetail ✓

✓ 112-00391-2 A Bulwer's ✓

✓ WT Returns (new)

544-45303	615-04710	615-07232	615-14576
595-65530	717	298	596
585	719	913	607
598	727	953	624
894	843	953	684
976	942	956	812
615-03853	-05322 Mokuia Is	979	835
863	06262	-14 567	844
04636	07158	545	845

7 June 1965. cont Popoia

615-14846

865

960

979

615-15133

207

615-15235

241

281

293

447

625-30187

32028

181

167

Bulwer's petrel Returns

~~652-42039-106-173~~ Along Egg

14 July
14 July Popoia

✓ 642-02001 - 06 Ad Bulwer's petrel 05 + 06 pair.

✓ 645-00301-00351 Ad wedge-tailed shearwater.

15 DP on egg 17, 37, 50 P.m.

02, 03, 11, 21, 22, 27, 28, 29, 30

31, 32, 42 on eggs.

W.T.S. Returns

625-30232

615-08082

15503.

06051

03865

04960

04871

625-35116 on egg

33413 " "

30122

35047

32031

32049

30178

30179

33312 on Egg

30174

595-65618

65540 on egg

~~65540~~

65712 " "

65946

65622 on egg

544-45330 on egg

45301

615-07934

15208 on egg

03859 " "

15582 " "

15441 " "

15007 " "

03871 " "

15692

06075

14685

07954 on egg

14972 " "

04536

14870

04815

14745

14883 DP on egg

14531

15271 on egg

04627

15551

15144

15248

07956

03859

07906

07941

03892

15208 on egg

14624

03861

14552 on egg

15202 " "

15246

06027

03731 on egg

04889 " "

15281

Recovery. 615-04777

14 July Mokapu point

✓547 - 80316-400 Redfooted Booby

16-17 nestling

18-19 imm

20-21 nestling

22 Ad

23 nestling

24-26 Ad

27-29 nestling

30 imm

31-32 nestling

33 Ad

34-35 nestling

36 + 39 Ad

40 imm

41 Ad

42-44 nestling

45 Ad on chick

46-48 nestling

49 Ad

50 nestling

51-52 Ad

53-54 nestling

55 Ad

56-60 nestling

61-62 Ad

63 nestling

64-75 Ad

76 nestling

77-78 Ad

79 subadult

80 Ad

81-82 subadult

82 imm

83 Ad

84-85 nestling

86-87 Ad

88-90 nestling

91 Ad

92 Ad on small nestling

93-94 Ad

95 nestling

96 Ad

97 imm

98-99 Ad

400 subadult

Redfoot Return

757-60714

60749

60933

60683

60751

60753

60674

67059

89667

~~72884~~

89696

60658

60764

89669

60765

60788 Ad on chick

767-42884

-42893

42839 Ad on chick

42840

597-12756 sub ad.

737-45008

Moku M. 1/4

21 July 1965

Haleakala Crater, MAUI

Dark-rumped Petrels -

BANDING:

✓ 544-45004 } in same burrow, presumably a pair. No
 -45005 } egg or chick seen.

1 July 1965 Manana Island - Ely, Crossin, Husted, Harrington + Tordoff

Sooty Tern - AdultsImmatures

✓ 763 - 93001-100

✓ 94001-400

~~94001-400~~

✓ 95101-200

✓ 95401-600

✓ 96201-400

✓ 763 - 93101-700

✓ 93801-94000

✓ 94401-95100

✓ 95201-300

✓ 95801-900

✓ 96001-100

✓ 96501-97000

Sooty Tern - Unknown

✓ 763 - 95701-800

823-09101-200

✓ 763-99401-500

Common Noddy Tern - Adults

✓ 763 - 93701-800

✓ 763 - 96101-200

✓ 95301-400

✓ 95601-700

✓ 95901-96000

Wedge-tailed Shearwater

625 - 31001-500

30501-50 (51-600 lost)

30701-800

1 July 65 Manana Island (continued)

Returns.

Sooty Tern - 773 - 43773 +3032

-00117 14883

42077 14658

42314

00116 - Banded as a Noddy Tern ??

44874 42057

16156 46937

Wedge-t. Shearwater

615-07427 on egg.

07566

5 August 65 Mokuauia Island - Ely + Hochman

625-30601-16 Wedge-tailed Shearwater (03+13 dark phase)
(01 on chick, 02 thru 08 on eggs, 09 on egg)

Returns: 544-45406 egg

45419

45437

45478

615-03971

03974

07622

07653

615-15321

15330

15338

15752 egg

15753 egg

RECORD

7500-222-3120

FEDERAL SUPPLY SERVICE

(675)

Sula sula - Feb. 1, 1964 - Ulupau Head Booby Colony and Roost, Oahu.
 Field Series # , Adult , gms., Culmen,
 Tarsus, Middle Toe, Wing, Tail. Colors of Soft Parts -
 Bill Blue-green, skin at base of culmen Red-orange, skin at base of lower
 mandible orange-Red. Skin around eye bright blue, skin of gular area black
 Iris brown, Feet Blood Red. Bird taken by C.A. Ely to Washington. Skinned
 and sexed by Ely. ref. To Ely for completion of above information. SPL.

Sula sula 23 Feb. 1964 Mokapu Point, Ulupau Head Booby Colony, Oahu
 Field # Adult ♂, not weighed but light. J. Van Hoeman collector
 J. P. Ludwig preparator
 Wing 393; Tail 244; Culmen 80; Tarsus 35.5; Mid. Toe 77 Left Testis 13 x 7.5
 Iris dark brown; skin around eye blue; skin edge of upper bill + face pinkish-orange; gular and edge
 of lower bill black; feet + legs deep reddish-orange. Ectoparasites collected
 Found alive with broken wing at edge of breeding colony. Band # 725135. No Endo-
 parasites Recovered; NO Fat, Somewhat Emaciated.

Banded: 14 June 1947 G.C. Munro

Recovered: Feb. 23, 1964, Ulupau Head Booby Colony, OAHU, Hawaii. Broken Wing
 May have been shot.

Puffinus pacificus 8 Apr 64 Popoia Island Oahu
 Field Series # 0502 Adult ♀ ovary 13 mm. largest ova 2 mm
 no parasites taken Collector: King Prepared by Huber (#195)
 found dead on Popoia - no apparent cause of death.

Puffinus pacificus 8 Apr 64 Popoia Island Oahu
 Field Series # 0503 Adult ♀ ovary 11 mm. largest ova 3 mm
 no parasites taken Collector: King Prepared by Huber (#196)
 found partially paralyzed on Popoia - no apparent reason

Puffinus pacificus 8 Apr 64 Popoia Island Oahu
 Field # 0504 Adult ♀ ovary 10mm largest ova 2mm.
 no parasites taken Collector: King Prepared by Huber (#194)
 found partially paralyzed on Popoia I. - no apparent reason.

~~*Bulweria Bulwerii*~~ *Bulwer's Petrel* April 17, 64 Popoia Island Oahu.
 Field # 0657 adult ♂ testis 6mm
 Field # 0656 adult ♀ ovary 8mm L. ovum 1mm.
 Collected as a pair from a hole in ~~limestone~~ coral lined by Huber
 prepared by Huber (#197)

Acridotheres tristis 19 April 1964 north end Kaneohe Bay Oahu.
 Field # ~~065~~ 10592, USNM # 49385
 Ad. ♂ testes

no parasites collected; found d.o.r. by Vin Hoeman and prepared by him

Carpodacus mexicanus 22 April 1964 saddle Rd. 4200', Hawaii
 Field # ~~065~~ adult ♂ r. testis l. testis
 no parasites collected
 found d.o.r., collected & skinned by Vin Hoeman

Streptopelia chinensis 22 April 1964 5 mi. E. of Hilo, Hawaii
 Field # 0661 skeleton only adult ♂
 no parasites collected; crop contents collected; Huber collector; prep. by Hoeman
 hit with automobile skeleton.

unidentified bones including bird + mammal 23 Apr. 1964 Mauna Kea, Hawaii

Zosterops japonica
Field # 0662

24 April 1964

near

elev. 2000
Hawaii, Hawaii

Adult

no parasites collected

found d.o.r. by L. Huber; prepared by L. Huber (#199)

8

Field # 0660668

(mongoose) 25 April 1964

Halape Cabin, Hawaii, Hawaii

Adult ♀

Hind foot 54 mm Front foot 34 mm

no parasites collected

possibly mothering 203 seen near

box-trapped by L. Huber; prepared by L. Huber (#200)

DESTROYED

Streptopelia chinensis

26 April 1964

Halape Cabin, Hawaii, Hawaii

Eggs (clutch of 2) about 10 day incubated (embryo left in one)

from loose nest of coconut fiber & unidentified rootlets 10' off ground in leaves of
Hala tree (*Pandanus*) in middle of open coconut grove 150 yds. dia. coll. by V. Hoeman

Field # 0667

(mongoose) May 3, 64

D.O.R. near Manana

island. Hind foot 57 mm Front foot 25 mm Tail 247 mm
total length 547 mm. Collected D.O.R. and skinned by Huber (#203)

Field # 0664

Zosterops japonica

May 1, 64

saw hit by

CAR NEAR Dr. Ely's house. on ~~the~~ Oahu

Testis 8 mm

collected AND prepared by Huber (#201)

Bulweria Bulwerii

Field # 0665

1 May 64

Moelua I.

ovary 10 mm largest ova 2 mm Huber #206

0666

1 May 64

Moelua I.

Testis 7 mm

Huber #207 collected and prepared by Huber

Field # 0669

English Sparrow ♀

May 4, 64

ovary 8 mm almost granular

collected and prepared by Huber (#203)

(Good old Boxtrap)

MAY 4. Scaled Dove (~~band~~) ^{ovary 4mm granular, collected at} Hawaiian King Hotel, ~~Is~~
 Field # 0670. collected and prepared by Huber (Good old Door slam)
 also collected two more doves of same kind a week before
 and took out to Ellys without Field No. (Also good old door slam)

Field # 6071 May 8, 64 Popoia Is. Wedgetailed Shearwater
 collector Brantley prepared by Huber

Field # 10197 May 13. ~~MA~~ Maui. - Dark rumped petrel Testes 8mm
~~collected~~ collected and prepared by Huber

Field # 0672.	Hawaiian King Hotel	Oahu	Scaled Dove (band)	Testis 12mm May 18, 64
Field # 10198	Hawaiian	"	"	Testis 14mm May 19, 64
Field # 10199	"	"	"	May 20, 64

all three collected and prepared by Huber

Field # 10200 - wedgetailed Shearwater - found dead by Huber May 30, 64

Field # 10201 - Bulwers petrel - found dead by Huber

Field # 10202 - Rat collected on windward Oahu up in the mountains by Huber on May 29, 64

Field # 10203 Sooty Tern - ^{with broken wing} found ~~dead~~ on Rabbit I. (Manana) 13 June 64

10209 Newell's Shearwater - 8 July 64 Hanalei, Kauai - non-breeding
 ♀ - little fat ovary 8mm.

Newell's Shearwater 25 Oct 64 Lihue, Kauai - ♀ ovary 8x2
 ovary granular very heavy fat, no molt

Field #

Newell's Shearwater 25 Oct 64 Hanalei Kai
♀ ovary 8x2 granular heavy fat, no molt

Field #

Newell's Shearwater 29 Oct 64 Kilauea Point Kai

Field #

Newell's Shearwater found 29 Oct 64, collected 1 Nov 64 ^{Kai} Kilauea Pt

Journal

Huber LN
1964

Sept 29

Honolulu Hawaii

Everything is great.

Sept 30

Honolulu Hawaii

Ran myself to the ground getting things ready for Mars trip. But... Everything is still great.

Oct 1

Honolulu - AT SEA

Left and went and are going

Oct 2

AT SEA

Still going.

Saw a like bird - Sooty Shearwater

Saw a W.T.S. sitting on the water preening and washing itself. also saw two Noddies sitting on the water.

They (Noddies) were riding at normal height ~~at~~ on water and when they took off their feathers didn't look wet or matted. They had no trouble rising off the water. Since there wasn't four Noddies in the air and I didn't see any ~~one~~

land in the water the two that were in the water must have been there at least a full minute (if not much longer) before we scared them. Would have been interesting to stop the ship and watch how long they would sit in the water.

Oct 3

AT SEA

Saw a pale-footed Shearwater today - ~~like~~ bird. Also

saw a Cook's Petrel feed. He went between two swells as they usually do but while he was halfway through the trough he seem to see something, ~~and~~

broke his glide and plunged in headfirst

Huber LN
1964

Journal

Oct 3 64 AT SEA

I take it that what I saw wasn't the normal feeding procedure because it was obvious that he saw the food at the last moment and made an all out effort to get it before he went past it. Anyhow he hit the water with wings almost still extended as in flight. ~~and~~ because of its ~~speed~~ ^{force} and position it hit the water it caused the bird to flip over on its back. All this happened so fast that I couldn't see if it actually caught anything but personally I think it missed. It didn't take as long for it to get off the water as a W.T.S. just a ~~few~~ ^{three} short steps.

Oct 4 64 AT SEA

SAW A Peale's petrel today (IN FACT SAW FOUR).

Great a life bird a day so far. There has been only one bird so far that is a question mark in my mind. It was like a Peale's petrel but the breast back to the middle of the underside of the body was black and the abdomen and under tail coverts were pure ~~the~~ white. ~~The black and the~~ ~~white and black met at the~~ The black stopped abruptly and didn't mix with the white. The bird was so white towards the rear that ~~it~~ flew away the white belly stood out until the bird disappeared in the distance.

Haber
1964

Journal

Oct 5, 64 AT SEA.

Banded a ~~small~~ turner Ruddstone today
it flew aboard and I caught it. When we let
it go it flew around and landed aboard the
ship again. Took some pictures of him and
he took off. He landed out in the
ocean and about 4 min. later he
was back aboard the ship again.
Stayed there all day. Also saw a porcupine
fish floating upside-down in the water.
He was about 9-12" long and ~~was~~ was
white on ~~the~~ ventral side and dark
(maybe black) on dorsal side. Spines were
about 1" long (maybe slightly longer).

Oct 8 64 AT SEA

SAW a SKUA today, a live bird.

Oct 10 TAONGI ATOLL

~~There were many but not abundant (probably
because of rats)~~

Oct 11 TAONGI ATOLL

HAVE SEEN FOUR SKINKS SO FAR. Their low
numbers are probably due to the rats.
SAW a few black-naped terns

Haber LN
1964

Journal

Oct 14 Bikar Is

On TAongi I saw two fairy terns preening each other at night. Also saw a frigate after an immature Black-naped tern - didn't get any food from tern. Saw a wedge tail feeding young. The adult opened its mouth and the chick put its beak through perpendicular to the adults and ate ~~the~~ a common noddy I saw feeding its young opened its mouth and the young pecked the food from the bottom of the parents beak. Saw a male frigate with ♀ colors or a ♀ with a ♂ throat pouch. A lot of Ruddy Turnstones setting on the tips of dead trees some times 10' from the ground. Found a Reef Heron Roosting on the shore. It was up in the vegetation under a low tree. Its neck was all folded up and beak pointed slightly upward (it was raining that night). Saw a Bristle thighed curlew roosting about 6' off the ground on a branch about 15' wide at night. One of the Golden plovers I banded ~~it~~ kept pulling at its band continually. Most golden plover roost ~~singlly~~ ^{singlly} at night and join ^{again} in flocks in morning. out of 76 banded only 4 pairs were encountered and ~~one~~ of those pair is questionable. ^{All this seen on TAongi}

Huber L¹⁰
1964

Journal

Oct 14 Bikar Atoll

Saw a group of frigates after a male frigate today they kept on diving at him one at a time and he would do a sharp turn and meet ~~the~~ his pursuer belly first. This kept up for almost 15 min.

Also saw several Hawaiian noddies setting on the water in the lagoon.

A feeding flock of about 30 ± 5 Hawaiian noddies feeding in the lagoon.

Oct. 15, 1964. Bikar

I was watching a flock of B.T.C. this morning. It was raining and I was sitting in a bush. The Curlews were on the beach about 50' from me. They were just standing and walking slowly going in no special direction but still staying together. Along the shoreline about 400' away a golden plover came trotting along heading in the Curlews and I'd direction. When about 80' ft from the Curlews the Curlews started moving away from the plover. ~~and~~ the more the plover came closer the more the Curlews ran from it. (????? what kind of behavior is this?) Anyhow this exciting chase was interrupted with an ever familiar pound of a shotgun and a sore shoulder. (and with the

Huber
1964

Journal

Bikar Atoll

Ever familiar ~~and~~ donut shaped pattern of shot with the bird in the middle). The other day on Taongi Atoll I banded 76 Golden plovers, 4 of those had ~~lots~~ patches of black feathers on the belly the rest had lost all the black. Today on Bikar I saw a Golden plover fly by with full breeding plumage. The other 3 Golden plovers I've seen on this island didn't have any black on their bellies. Last night I saw a reef heron ~~sitting~~ roosting about 40' off the ground in the crown of a palm tree. There seems to be ~~few~~ few dark phase reef herons this trip, ~~though~~ The average heron has about a 50:50 chance of being all white or intermediate.

Bikar Atoll ~~at~~ Jabosrukku Islet Oct 17, 1964

Saw a moray eel today that must have been 7 feet long. about 3-4 feet of it was sticking out of a hole in the rocks and it must have been 7-8" from one side of the jaw to the other. It was brown and in the lagoon. Also saw a sea urchin with gray-white spines about 4 to 7" long. ~~all~~ all other sea urchins I've ever seen have been black. is this a different species or has it shed its skin.

Huber
1964

Journal

Bikar Jaboukku Islet Oct. 17, 64

SAW A W.T. Tropicbird flying around in the woods today and it landed in a hole in a tree about 12-14' off the ground.

There was a lot of squacking and the bird promptly came flying out. on examining the nest there were already two in it and no chick or egg. out of 6 WTT I banded ^(small) 2 were on nothing 1 on an egg 1 on a chick and a pair on nothing. Ruddy Turnstones here are walking all through the forest turning over leaves and sticks (crazy shorebirds)

Oct 25. Loj Islet Erikub Atoll

It seems as if everybody says wandering tattlers take #2 bands. I thought so too. The W.T. I banded in the Phoenix group ~~took~~ took #2s. But the W.T. this trip can't take 2s their legs are too large for 2s. I have been putting 2s on Golden plovers and 3s on W.T. It also seems as if we have spent half the trip so far waiting for it to stop raining. I could have banded shore birds last night but no one else felt like going into the island so we watch movies and read books. I've never seen such a bunch of people. everything stops even when it looks like its going to rain. So far this trip has been like a vacation.

Huber
1964

Journal

Binion would never make a good sargent. He is the kind of guy that would walk up to a private and ask; Do you want to dig a latrine today Private so-in so? Another thing is everyone says we don't have to do it this island we ~~can~~ can do it on the next is. We have been to 5 islands so far. haven't ~~yet~~ collected any ~~the~~ boobies or frigates or Red tailed tropicbirds yet. We were on Tonge the only island in the Marshall and Gilberts that is supposed to have W.T.S. or it ~~is~~ and we didn't collect one.

We saw a Red rumped Ruddy turnstone and a Red breasted Brown booby and a orange tagged brown booby on. Taka Atoll everybody was satisfied ^{with} seeing the markings ~~the~~ and ~~none~~ wanted to put out a special effort to ~~get~~ get ~~the~~ the birds numbers. ~~So~~ So for we have collected a little over a hundred birds and even though we have a lot of time and at least once a day while on the islands everybody is skinning in the lagoon for several hours and just wandering around doing nothing. Binion doesn't even consider sending about half of us out ~~of~~ to the ship to skin ~~Even~~ even when we can't do anything bird wise on the island.

Huber
1964

Journal

at the rate the birds are piling up ~~there~~
now it looks as if we will have about
300 unskinned birds ^{and 100 skins} by the time we ~~to~~ get
back to Honolulu. If time were taken
advantage of around here we could
be taking back 400 skins all done up.
Whitetailed tropics take #3 bawls.

~~Nov 1~~
~~Nov 1~~

Koujaalein Is Marshall Is.

Life around here isn't bad at all
bowling, good cafeteria, lots of friends,
people, by the ocean, many clubs.
(skinning, recording, etc), cheap prices
at PX, everything. just caught
an eel like creature that was swimming
around on the surface by the ship tonight.

Nov 14

Erikub

~~Erikub~~ (26 out)

I got some baby turtles on ~~the~~ Atoll and
some turtle eggs. Two days ago one egg hatched
and today 3 eggs hatched. Apparently
the turtles hatch but stay half in and
half out of the egg for as much as 8 hours
while the rest of the egg yolk is absorbed
out of three young so far. two were 27 gm
and one 28 gm on coming out of the egg
I've just weighed (roughly while ship is
moving) ~~say~~ the turtles kept in fresh and
salt water and it looks as if the salt
water ones are averaging 10 gm more than fresh
water ones.

Huber
1964

Journal

I found a sand dollar on Jaluit Atoll that is around 8" in diameter. When I skinned it, it had a small fish inside it that looks like the kind found in sea cucumbers. On Ligeron Is Jaluit Atoll I estimated 1500 boobies (R.F.). I only saw about $2 \frac{1}{2}$ nests and no signs of old R.F. nests. Nearly $\frac{3}{4}$ of the birds (R.F.) on the island are imm. That's something to think about awhile. Also saw about 2 or 3 Lesser Frigates with ~~the~~ 250 (est) Greater Frigates. The G.F. roosted in trees that night, where did the L.F. roost? In trees also? Why so many Huds(?)ian Curlews on Kwajalein and none of the other island (I seen of Jaluit). Why do they pick that one island ~~but~~ no where else (except for strays). Why no Bristle-thighed Curlews seen on Kwajalein.

Nov 15, 1964. At sea between MAKIN and MAIANA I saw a storm petrel today that was black with white, possibly starting slightly forward of the tail feathers, and extending back to almost the tip of the tail feathers where it was black again, this black formed a conspicuous band on the tail of the bird. Didn't get a good look at the underside of the bird. ~~It~~ If there was any white on the under-
~~it was light grey here but the~~ was the same as the dorsal side.

Huber W. Journal
1964

Nov 15 at SEA between MAKIN and MAJAMA

The storm petrel also had a squared ~~tail~~ tail.

~~Also have been seeing a small black~~

Also have been seeing a small black Shear-petrel species which I think ~~is~~ maybe

The Black petrel *Procellaria parkinsoni* ⁱⁿ ~~the~~ ^{area}

On Makin there is a ~~sand~~ flats about a mile long and anywhere from 0-1500 feet wide (depending on tide) which would be ideal for a cannon net. It is not ~~hard~~ hard to lead the birds to where one wants them. There is also around a 1000- ~~1000~~ birds on the flats.

I saw about 150 godwits 30 curlews (not Bristle-thighed) 500 wandering tattler and the rest in mixed

small shorebirds. If another trip comes here it would be foolish not to take a cannon net for this place. A stilt was also there, and maybe a phalarope.

Wislocki and I went into the island all day yesterday and Roger stayed aboard and skinned birds. That was all he needed to jump ahead of me on birdskinning.

Journal

Huber
1964

Nov 14 Makin Atoll Gilbert Is.

I went out ~~to~~ the shorebird flats tonight to try and band but the moon was too bright so I sat down out in the middle of the flats to ~~wait~~ wait for a cloud to come over the moon.

~~It~~ As soon as I turned off my light and sat down scads of shore birds started walking towards me.

before 15 minutes I had about 150 wandering tattlers walking around me (all just out of net range [about 5'])

I didn't see very many of them sleeping they kept moving around. ~~I~~ I didn't see them feeding but they must have been because the tide was coming in and the birds were all grouped around the water runs that were forming. They kept walking up and down the edges of these runs. I finally had to leave because I was slowly being buried in water and the birds were following the water's edge which was getting farther away from me and closer to shore.

Huber LW
1964

Journal

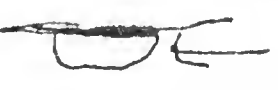
Nov 20 At Sea

I guess my experiment with the turtles is a failure. The first one of them died and I expect ~~at~~ at least 3 more. I heard back at the SI that one could put young sea turtles just out of the egg (that haven't gotten to saltwater yet) into fresh water and they would live. I thought that maybe the ones we caught at sea (not over a week old) would work just as well but they apparently don't. The ones I kept in salt water are very healthy and active. But the ones in fresh water just float around on the surface and only put out half efforts to feed. I tried cutting the meat to one-bite size but still they do not feed well. The salt water ones are now twice the size of the freshwater ones and are growing fast. ~~Today~~ Yesterday I put three freshwater back into salt water. Today one of those three died. Today I put the rest (except for two that seemed they could still take freshwater a little longer) into the saltwater in hopes they might adjust to normal sea turtles again.

Huber LN.
1964

Journal

Nov 20 AT SEA

Out of 6 turtles eggs I incubated (by light) 4 hatched. One died about 2 days before hatching the other about a week. I put these into fresh water right away. Today I ~~put~~ put one into ~~the~~ salt water because all four do not seem to be feeding well. Maybe what I heard about putting the turtles right out of the egg into fresh water is wrong? I noticed when they hatched they broke open the egg shell and crawled half way out and then stopped and waited many hours (but not over 12) for the rest of the yolk to be absorbed. and when the yolk was almost absorbed they crawled out and tried to escape.  size of protubance on ~~the~~ abdomen where yolk is absorbed, after leaving egg. This is gone in not over 24 hours.

Nov 22 AT SEA.

I seem (out of 5 I have seen) that Pacific pigeons like to perch in coconut trees about have way out on a horizontal leave. (branch, limb etc). The tree has always been at the edge of a large group of trees. I have never seen them ~~sitting~~ sitting deep in the forest. Although I have seen one flying through a forest (about 2' off the ground).

Huber
1964 Journal

Nov 22. AT SEA

I have talked to the natives quite a bit about cuckoos. It seems as if ~~the~~ the cuckoos are on the islands but in small numbers, (Pigeons outnumber cuckoos ~~on islands~~ ^{pigeons} are found.) On one island (Makin) one native mentioned of another kind of small bird that feed among the trees. I took for granted he might be talking about a small seabird but after more 3rd degree I am satisfied this small bird (supposed to be much smaller than ~~the~~ cuckoo) isn't a sea bird. Now the question arises whether these small birds are there regularly or just a stray.

We saw ~~1~~ cuckoo while on Makin. While on Kuria I shot a Reef heron that must have laid an egg just a couple of days before and since an ovum was 1 mm. I guess would lay an egg within a week. It looks as if they may be breeding there. There are a lot of herons at that end of the island. 4 ponds and mudflats at least 2 of the ponds have fish in them. The ~~bird~~ I shot was roosting in a dead tree along one of these ponds. I did see one of the same color run out of the bushes earlier. Also shot a P. Pigeon near there but it was getting dusky and after about 45 minutes of swearing and tearing up of half that end of the island (set the ecology of the island back ten years) I gave up because of darkness.

Huber
1964

Journal

Nov 22 at SEA

I also spent 15-20 min. sneaking through the most miserable crab holes, snail holes and mud holes on the island trying to shoot a roosting frigate. It turned out to be a bunch of coconuts with a seed pod husk sticking out each end. (This was after dark) This episode didn't contribute anything good to my mood I had after the pigeon.

Miserable day today. So I decided to go out and stand in it. I turned out to be more miserable than I expected. Plenty of good birds flying around but none come in close enough to shoot. Plenty of what we think are slender-billed shearwaters around. This evening a bird (I am positive about that) flew (I am ~~positive~~ positive about this also) by.

It was really weird. It flew with the same quick powerful wing beats as a sooty tern and reminded me very much the flight of a sooty tern. I was white below and dusky or grayish above (with no distinct border between) I flew very high and dipped down to near water level a couple of times.

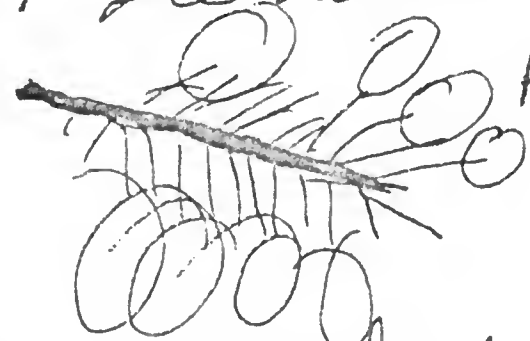
Its top height went to about 150 Above the water and it averaged 90 feet. It was fairly streamlined. The light wasn't the best light so I cannot be exact about the shade of dusky on the top side.

Huber
1967

Journal

Nov 22 AT SEA

The Gilbertese have a drink they get from coconut trees. They take the stem of the coconuts



AND TIE ALL THE

stems together to make a bundle. Then they cut the tip off the bundle and wrap a coconut leave around it so that the point of the leave extends down. Then they slip the end of the leave into a coconut shell with a hole in the tip and the shell is suspended from the bundle. Modern natives use a bottle. The sap trips out and drains down the leave and into the shell. The natives drink this up to 3 days but after three days the ~~alcohol~~ alcohol content becomes so great they have to throw it away. The first day there isn't much ~~alcohol~~ alcohol taste but the second day it gets very good and the third day wow.

Nov 23 AT SEA

It ought to be mentioned that on any future trips to these islands a strong light ought to be brought along. The kind that can be carried by hand (6 volt camper's light). Nice and bright with a concentrated beam. Also a net with fine mesh $\frac{1}{4}$ " or less Apim About 2' in diameter and a pole 8' long.

Huber
1964

Journal

Nov 23. At SEA.

With a set-up like this one could really raise hell with the shorebirds. If ~~I~~ I had a ^{set-up like that} this trip I know I could have band 300 shorebirds. As it was I only got around 80. Goldenplover set just fine (about 80% but depends much on the night) Wandering Tattler set OK but one has to be extra ~~quiet~~ quiet. I can't figure Ruddy's. On one Island in the Phoenix group about 80% ~~sat~~ sat but I have had that happen only on that one Island at that time. Every ~~time~~ time since then I can hear them jumping in the distance but never can see them. Curlew set just fine and if one goes about it right they can be caught even on a bright night.

Nov 24 AT SEA ~~I~~ I just noticed the other day that when flying fish take off that every time they churn the water while in flight the close their ~~eyes~~ fins and when not churning water they have the fins spread wide all the way till impact. They also flap their wings vigorously when first taking off and they also go in any direction when taking off but soon correct themselves when they discover which way the wind is going.

H. U. L. L.
1964

Journal

Nov 24 AT SEA

A tropic (RT) was shot today that weighed 866 gms. I weighed its stomach and it was 117 gms even with this subtracted. That seems like a awfully heavy tropic bird that isn't fat. A porcupine-like about 4" long was in the stomach. Maybe this is why the bird was reluctant to fly. The other tropic (RT) we saw today took off long before the ship got near it. This one sat tight right up till it was relieved of its life.

Nov 26 AT SEA

~~Just as we were pulling into~~ ^{Avanuka} Island and we were in the ~~area~~ ^{area} of the island. Every once in a while a flying fish that had the shape of a half-beak and with nothing but slightly enlarged pectoral fins would take off. Its flight ~~was~~ ^{averaged} ~~the~~ ^{only} 20' long. It seems as if the B.F. B. only show up ~~in~~ in the evening. Could it be that normally B.F.B.s try to stay away from ~~the~~ but as evening approaches its roosting instinct makes it come over to investigate ~~objects~~ ^{as roosting prospects} but when it gets close it sees it as a ship and ~~the~~ ^{the} fear instinct overcomes the roosting instinct and it flies away. This could explain why most boobies are seen in the evening. ?

Land masses
or ships

Huber LN. Journal
1964

Nov 26 AT SEA

ON MAKIWA IS. The natives told me how they catch Ruddy's. They take a long string and make a loop at the end and set the loop next to ~~some~~ coconut ~~meat~~ meat. When the bird steps in it. Pull and it's caught. This one boy had around 7 or 8 ruddy's in a pen with clipped wings. They seem quite healthy and fat (they were fed coconut meat)

It seems as if Reef herons will roost anywhere. I have found them roosting on the ground in the crown of 60' palms and in branches of dead and live trees from five to 30' above ground. One bird was roosting about 30' off the ground on the tip of a ~~tree~~ tree that had no branches. It might as well been roosting on a flagpole. On Aranuka Is. I heard a chick calling up in the crown of a coconut tree, when I walked up. I saw the tail feathers of a common noddy sticking out ~~of~~ between the bases of the leaves. Well we are going back with the exact number of birds I predicted but with about 120% more skins than I expected.

Nov 27 AT SEA

Oahu looks beautiful. We are about 3 hours out of port now. The bulwers are gone. The Dark Rumps are gone. The WTS are gone. Everything is gone.

Nov 27 AT SEA.

Is there any such thing as a Harcourt
S.P.? So far even right within sight
of Hono we see nothing but Leeches.
3 that we have collected are Leeches.
One is an immature. They are
common all over. I would like to
see a skin of a Harcourt. Could it
be that there is no difference between
leeches and Harcourts. And ~~the~~ why
couldn't leeches be nesting on
Kauai and everybody calls them Harcourts.
Alexander says that the leeches has
a deeply forked tail but the birds. WE ARE
collecting have a ~~deep~~ shallow fork
in the tail. But the rump description
fits leeches. Argue!! Right now
I am listening to two sailors talking
about marriage. This one in particular
is married and has ~~three~~ child. He
is saying that he wishes he could
find himself a rich woman in
California because of some law saying
that property is divided equally
between divorcees. That way he says
he could marry her and then divorce her
and get half her money. This is the same
guy that is ~~always getting~~ always complaining
he isn't getting paid enough and is always
sneaking in overtime when he didn't
work it. Some crud. ^{the guys like him} ~~that make me distrust~~ ^{people}

Auber
1964

Journal

Nov 28 Hono

It seem kind of weird that who ever decides where the project goes should decide to go too the Marshall and Gilberts to look for our banded birds when right here at our front door (main Hawaiians and even the leewards) there are more birds than the project could ~~EVER~~ hope to check for bands. There are at least 200,000 sooties, ~~3,000~~ 3,000 boobies, 30,000 wedge tails, 2,000 Bulwers, 100,000 common noddies ~~8 fairy terns~~ 8 fairy terns, 5,000 Hawaiian noddies, ~~100~~ 100 Frigate birds, 75 D. Rumped Petrels, hundreds of white tailed tropic birds and thousands of Newells and Laysans (Laysans?). All this is on the main Hawaiians alone.

These Islands are even closer ~~than~~ than the Marshall and we shy away like they are poison. There are thousands of ruddies and Goldies here yet they will go unnoticed because it seems that it must be more valuable to go look for ruddies in the Marshall. I can't see how it is more valuable to find a banded ruddy ~~anywhere~~ somewhere else in the Pacific than to find it on Popoia Is here. Last year I was on Mokuaia (spelling?) and I watched around 2000 ruddies fly over me one evening.

~~Huber~~ Huber
1964 Journal

Nov. 28

Even with this many ruddies here we go charging off somewhere out of the central Pacific (which I am told is our study area) to a ~~dozen~~ bunch of little islands that probably don't have over 400 on any one of them. The Line Islands make the Marshalls and Gilberts look like ~~barren~~ barren Is. Bird-wise. But as usual the project wants quantity not quality (I guess that's why ~~I am~~ I am still on the project I can put up a lot of fair skins fast). I am really screwing myself on this project. There is always a big rush on getting skins done fast. So I comply and put them up fast. The faster I put them up the worse my skins get. The slower the better but the account is speed so I put up useable skins but by no means good. If I ever try to get a job on some expedition they will check ~~up~~ upon my skins. If I say that I can put ~~the~~ the skins up better than I did then they probably won't hire me because they ~~will~~ will think that I don't have personal ~~pride~~ pride about my skinning (which one should have for his work). I am screwed. I've done 600 skins so far on this project and ~~not~~ not very many are worth using as an example on my skills. The big rush is still on and there are more skins to be done badly.

Huber
1967

Journal

Nov 28

Hono

It must be a big joke who
ever heard of a project collecting
thousands of birds a year with only one
taxidermist that is lucky to put out
a skin a day. A project that pays
hundreds and hundreds of dollars
continually to rent cars when it
could buy two for less. A project
that runs all over the Pacific looking
for birds when there are ^{at least} 400,000
right at its main base for field operations
that it pays no attention to. A project
that sends a person back from the
field with the excuse that it cost too
much to keep him out in the field when
in reality it is costing them more to
~~send~~ send him back. A project that
sends an entomologist ~~to~~ on a field to
do an ornithologist's work. A project that
allows a person to shoot a gun from
the hip on a ship when it is important
to get the birds. A project that expects
its person to put out his best effort
16 hours a day 7 days a ~~week~~ week while
in the field ^{and} then bitches when that
person is late for work when he is
back in Washington, D.C. I could burst
out in hysterical laughter. If this is science I
am not so sure I want to become a scientist.

and gets paid for only 8 hours a day and 5 days a week.

Huber
1964

Journal

Nov 28.

This is high treason. Ah.. but the truth hurts. I remember reading once upon a time that to get hired by this project all one has to do is inhale and exhale. This seems to be true looking at the majority of ~~the~~ my fellow workers (this is not excluding me) Here's another big joke for the books. A project that sends its personal into the field to ~~study~~ study birds with binoculars that leak. Arrguh what a terrible mood I'm in. I would like to go to sleep but I can't. I feel like getting drunk but I can't stand alcohol. I feel like going to an offshore Is land alone and banding all night. I can't even do that because the birds have left. I could skin birds but ~~it~~ don't think I could stand to be face to face with a bird that needs to be skinned for a few days yet. After 600 birds the only ones left that I enjoy ~~putting~~ put up are shearwater and petrels and I don't get many of them. I could read a book but I've done that all evening and when I look at the number of the page I am reading and see it is 512. And then look at the last page in the ~~book~~ book and see 1599 how can I help feeling depressed. Also After reading a letter from A

Huber
1964

Journal

person that ~~is~~ sounds as if she would like to kill me for something I wrote to her when I don't even remember what I wrote. Arrguh? I could always become a hermit then all I would have to worry about is food. I can't even account for a \$100 of my money. I am going to turn out deep in the bottom of the hole this trip. I guess everybody else has the best laugh. I am the one to owe SI money this time.

Out of three part. Albino W.T.S. I've seen so far ~~is~~ all have had white flaking on the forehead and top of head and two had flaking on the upper fore parts of wings. Seems ^{strange} that a ^{partial} wedge tail in the main Hawaiians should be duplicates of p. Albinos in the ~~south~~ Southern Is. Is it a rare phase or is it a real partial Albino. Or are the genes built in such a way that if p. Albinism does occur it will occur in a certain form? I can't even pass time by writing my journal I've run out of things to say. I am going to go nuts in this room. This project is getting funnier all the time the latest joke is the fitness paper everyone is filling out ~~that~~ about each other. BAD ANALYZES BAD = Good Good read Good = Good ~~is~~ Bad stays on project because Bad was analyzed by Bad.

lift the gun up to my shoulder for another shot if I wanted to. Luckily I got it first shot. After that I started shooting with the butt just under my ~~the~~ arm but because there was nothing to stop the recoil this way my shooting average dropped considerably. By some turn of fate I got stuck with the 16 gauge. It hasn't got as much power but at least I could shoot it from my shoulder and my percentages picked up. But my shoulder ~~is~~ still has memories of the 12 gauge. Sometimes it is quite painful but with a ~~month~~ month in Wash. should heal it up. But what a price to pay to heal an arm. So to Washington, leave the Pacific Arrggh!

I wonder what this maid thinks. Out of two days here with Rog the maid has seen only me. I sleep on the couch so only one bed is being slept in and right now there is 14 empty coke bottles 3 empty quart mixer bottles. 1 empty gin bottle. 9 tiths of various Alcohols setting around, no food in cupboard, Luggage of 3 people all over fish balls all over. ~~tape~~ recorder in middle of Floor. Empty glasses all over I wonder what opinion she has of me.

Catalog

Huber LW
1964

Field
Number

Oct 4 At SEA 1039 AM

30001

369 Wedgetailed Shearwater

♀ OVARY 10x6mm h. ovum 1mm wt 356±2gms

Specimen given to USNS Shearwater.

Oct 5 At SEA 1201 PM

30002

370 Ruddy turnstone.

♂ imm. interparadalis only part of skull wt 110±2gms

Iris dark brown, feet and legs orange, bill dark gray darkening to black at tip, claws black. much excrement on under tail coverts. specimen died AFTER LANDING aboard ship. (was alive for several hours aboard ship) heavy fat. when skinned there was water-like fluid between skin and muscle of one wing.

Oct 8, 64 At SEA 1513 PM

30003

371 Cook's Petrel - Testes 2x1mm wt 153±2gms.

Iris dark brown, bill black, distal foot black, proximal and legs bluish flesh, black runs up outer to e to leg, mouth. lining bluish, claws black, light body molt

30004

Oct 11 TAONGI Atoll

372 Bristlethighed curlew ovary 12x5mm wt 447gms

Feet and legs bluish gray claws dark gray bill lower mandible flesh color except distal 2 inch which is black. upper mandible flesh gray darkening gradually until black at tip.

30005

373 Blacknaped Tern. testes. R 4x4mm wt 99gms
L 5x5

bill, feet, legs and claws black.

Huber LN
1964

Catalog

30006 374 Bristle Thighed Curlew wt 460gms^{ms} - Alcoholic
feet and legs bluish gray upper mandible grayish
flesh, lower flesh color with a black tip

30007 375 Petrel sp? - found on beach skeleton
and feathers only

30008 376 Wandering Tattler wt 115gms. Alcoholic
iris dark brown legs and feet pale yellow, bill dark
gray slightly lighter at base to lower mandible

~~Bikar Atoll~~ Arumenii Islet. Oct 17, 1964
30039 377 Sula sula testes 12x7mm wt 854gms
iris dark brown, feet and legs pale rose red, bill
light yellowish greenish bluish, gular skin black,
skin on side of lower mandible and on forehead pink,
skin around eye blue with a ^{light} greenish yellowish mixed in.

30040 378 Sula sula. immature skeleton

~~Aborakku To Islet~~ Bikar Atoll
5008 380 Mouse testes 5x6mm wt 38gms.
Tail 140mm, Hind foot 26mm, Front foot 11mm,
total length 235mm

30049 ~~Oct 20~~ Oct 20, Taka Atoll Marshall Is.

381 Sandpiper sp? wt 45gms. Testes 2x1mm
feet and legs dark greenish yellow, bill yellowish brown
at base staining to darker half way and finally
black at tip. iris dark brown, its leg was broken
found starved ~~to death~~ and shortly died

Huber
1964

Catalog

5005. Oct 18, 1964
~~Taka~~ Jaboerukku-To-Islet. Bikar Atoll
382 mouse wt 25.8 gms. Tail 127 mm
Front Foot 14 mm H. Foot 27 mm T. Length 219.

5004 Oct 18
383 Jaboerukku-To-Islet Bikar
mouse wt 35.9 gms. H. Foot 28 mm
Front Foot 12 mm Tail 137 mm T.L. 240 mm

5011 Oct 20 Taka Atoll Taka Is.
384 Mouse ~~wt 35.9 gms. H. Foot 28 mm~~
~~F. Foot 12 mm Tail 137 mm T. Length 240 mm~~
H. Foot 28 mm wt 60 gms. F. Foot 14 mm
Body Length 128 mm Tail 31 mm Testes 7x3 mm

5010 ~~Taka Atoll~~
385 mouse wt 72. HF 30 mm FF. 15 mm
Tail 150 mm Total Length 291 mm testes 12x9 mm

50130 Oct 26, 1964 Bogweido Is. Erikub Atoll
Marshall Is. -
386 Reef Heron wt 505 gms testes 7x3 mm
Legs and feet pale greenish yellowish, soles yellow
claws yellowish on top, gray on sides; bill - lower
pinkish gray to white down at tip - upper pinkish gray
at base and middle to black between middle and
tip and white horn on very tip. skin around eye
greenish yellowish, iris yellow.

50131 Oct 27 1964
Erikub Is, Erikub Atoll wt 153 gms testes 12x6 mm
387 Goose sp? bill pink, with black along teeth of bill;
feet reddish pink, iris brown.

Catalog

Huber
1964

30117 Oct 25. Aradogairik Is. Erikub Atoll
388 ~~Phaethon~~ *Phaethon lepturus*. wt 313gms. ovary 10x9mm
bill pale yellow, ~~black~~ black around and between nostril
and skin, iris dark brown; legs and proximal foot
light blue, distal foot black, claws black

30126 Oct 26 Aradogairik Is Erikub Atoll
389 *Sterna sumatrana* wt 79gms. testes 6x5mm
bill black, feet and legs black, iris dark brown.

30137 Oct 27 Aradogairik Is Erikub Atoll
390 *Sula leucogaster*, wt 1398, L. ann. Sum
feet and legs; bill, facial skin, and gular pouch
pale yellowish green; blue-black spot before
eye, iris gray.

30064 Oct 20 Taka Is Taka Atoll
391 *Pluvialis dominica* wt 104gms ovary 4x2mm
iris dark brown, feet and legs dark gray, bill
black at tip to dark gray in middle and
slightly brownish at base.

30045 Oct 18, 64 Arumenui Islet Bikar Atoll
392 *Whitethroated tropicbird* testes 9x6mm wt. 278g
legs light blue, feet black, bill yellow with black
around ~~nostril~~ nostril and between nostril and closest
feathers, iris dark brown.

Huber
1969

catalog

30097 Oct 24 Jemo Is. Marshall Is.
393 *Demigretta sacra* wt 404gms. Ovary 12x6mm
L. ovum 3mm
~~Feet~~ Feet yellowish green; iris yellow; upper
mandible brownish horn, lower mandible yellowish horn

5040 Oct 31 Kwajalein Is Kwajalein Atoll
394 mouse. H Foot 16mm FF. 8mm
Tail 72mm Total Length 141mm
wt 10gms

30122 Oct 26. Aradogaien Is Erikub Atoll
395 *Anous stolidus* wt ~~189~~ 189 Ovary 10x9mm
Feet and legs dark brown; iris dark brown bill black

30090 Oct 23, ~~Taka Is~~ Lojiron Is. Taka Atoll
396 *Puffinus pacificus* wt 449. nestling
Feet and legs whitish-flesh, slightly darker on
outer sides bill gray with black tip
iris dark brown.

30085 Oct 22. Taka Is Taka Atoll
397 *Sterna fuscata*. wt 189gm L. testis 10x7mm
R. testis 7x5mm
Brood patches present

30150 Nov 2 Kwajalein Is. Kwajalein Atoll
398 *Numenius* sp? wt 403gms testes 5x1.5mm
Iris dark brown; upper bill black, pinkish around nostril;
basal half of lower bill pink; rest black; mouth
lining flesh; feet and legs light gray; nails black

Catalog

Huber LV
1964

30165 Nov 3 Kwajalein Is. Kwajalein Atoll

399 Black bellied Plover wt 210gms. ovary 12x5^{granular}
iris dark brown; bill black; legs + feet gray-black,
nails black; mouth lining + tongue blue-white.

30170 Nov 4 Roi Is Kwajalein Atoll

400 Godwit wt 259gm. testis 4x1½mm.
Iris dark brown; feet and legs black; bill
black; pinkish ~~1/2~~ 1/2 at base.

30147 Nov 2. Kwajalein Is. Kwajalein Atoll

401 Duck sp? wt 423gms. ovary 17x10mm.



Iris bright yellow; bill dark gray; legs
+ toes gray, webs + joints black, mouth lining
white.

30015 Oct 12, Kamome Islet Tonge Atoll

402. Puffinus nativitatis wt 286gms
iris dark brown; bill, feet and legs black

30016 Oct 12 Kamome Islet Tonge Atoll

403 Reef heron. wt 449gms ovary 12x9^{granular}mm.

Iris yellow; bill - upper mandible black with a
yellow border and tip; lower grayish yellow with
a yellow tip facial skin and eyelids yellowish
legs and feet bluish gray with a faint yellow
tint. soles yellowish, claws blackish on under
sides - yellowish on upper sides

Huber
1964

Catalog

30163

^{Nov 3} Kwajalein Is. Kwajalein Atoll.

404 Curlew sp? 412 gms. Ovary 12mm x 6mm
Iris dark brown; upper mandible black;
basal half of lower mandible pink,
rest black; legs & feet gray, nails black

30162

405 curlew sp. wt 346 gms Ovary 11 x 3 mm
Iris dark brown; upper mandible black, lower
pink at base, tip half black, feet & legs
gray, nails black

406 Wandering tattler. testes 4 x 2 mm.

30155

^{Nov 2}

~~407~~ 407. sandpiper sp. wt 59 gms.

iris dark brown, bill black feet and legs
dull yellowish green.

30027

Oct 15

Bikar Is Bikar Atoll

408

^{crustacean}
wt 319 gms

ovary 20 x 12 mm. l. ovum 6 mm
iris dark brown, feet and legs black
bill chalky yellow.

30151

^{Nov 2}

Kwajalein Is Kwajalein Atoll

409 Sandpiper sp. Ovary 7 x 4 mm. Iris dark
brown, bill black, feet and legs dingy yellowish green.

30135

Oct 27

Aradogairik Is. Erickab Atoll

410 Black naped tern. wt 59 gms testes 1 x 2 mm.
bill blackish on dorsal and ventral sides of mandible and
maxilla; reddish along margins of bill; feet and legs brownish &
black; iris dark brown.

Huber
1964

Catalog

30154 Nov. 2 Kwajalein Is Kwajalein Atoll
411 Sandpiper sp. wt 82.5gms testes 5x1mm
Iris dark brown, bill black; feet and legs dingy
yellowish-green.

30152 412. ~~412~~ Sandpiper sp. wt 63gms ovary 8x4mm
Iris dark brown, bill black, feet and legs
dingy yellowish green.

30179 Nov 9.
413. duck sp? wt 572 ovary 20x5mm granular
Iris dark brown; feet and legs gray with a slight
brownish tint; claws black bill - upper ~~see~~
incubator card - lower dark blackish ~~and~~ gray

30205. Nov 10. At sea.
414 Sula sula ~~st~~ testes 13x2mm.
bill mottled brown with a fleshy cast; iris gray, gular
pouch bluish gray, feet and legs dull salmon

30149 Nov 2 Kwajalein Is. Kwajalein Atoll
415. Sanderling wt 61.5gms ovary 6x2mm
iris dark brown, bill feet and legs black

30192 Nov 8
N. Loi Is. Kwajalein Atoll.
416 Anous minutus wt 98gms ovary 13mm 1.00mm 3mm
bill black, iris dark brown, legs and toes brownish yellow
joints + webs brown, nails black.

Catalog

Huber
1964

30246 Nov 12 Enybor Is Jaluit Atoll Marshall Is.

417 *Sterna sumatrana* wt 90 gm. iris dark brown, bill, legs
and feet black, gape more salmon than pink.

30247 418 testes 7x5 mm wt 95. iris dark brown, bill legs
and feet black, gape salmon.

- 30245 419 85 gm gape dull pink, iris dark brown, bill feet and legs
black

Nov 11, 1964

Jaluit Is Jaluit Atoll

420 Goldenplover wt 123.3 gms. ovary 10x5 mm
bill black, iris dark brown, feet and legs pale gray

- 30215 darker on feet.

30038 Oct 17, Jaboukku Is Bikar Atoll

421 Black naped chick wt 37.5 gms testes 1x1 mm
bill yellowish-cream; feet dull creamy brownish

30116 Oct 25 Enego Is. Enikub Atoll

422 Reef Heron wt 464 gms ovary 15x9 mm 2 ova 3 mm
feet and legs yellowish green with yellow soles; iris ~~very~~ bright
yellow, bill dull grayish horn and brown

30141 Oct 27. Aradujairik Is Enikub Atoll

423 Black Nape chick wt 72 gms testes 1x1 mm
bill brown horn but flesh pink along commissure of bill;
iris dark brown, feet and legs dull brownish.

- 30206 Nov 10 Enybor; Jaluit Atoll

424 tern sp. wt 112 gms. bill black, iris dark brown
feet and legs reddish brown, darker at tips of
phalanges

Catalog

Huber
1964

- 30211 Nov 10 Enybor Is. Jaluit Atoll
425 Reef Heron. wt 489 gms. testes 12x5mm
testes and legs yellowish green with lemon yellow soles;
iris yellow, facial skin yellow; mandible dull yellow
with a orangey cast; maxilla similar with
brownish horn dorsally.
- 30012 Oct 12 Sibylla Islet Tungi Atoll
426 Wandering Tattler wt 91.3 gms testes 1x1/2mm
bill dark gray paler at base of lower mandible;
iris dark brown, testes and legs faded orangish yellow.
- 30013 427 Wandering Tattler wt 108.4 gm. testes 4x1 1/2mm
bill dark gray, darkening toward tip, fleshy gray
at base of lower mandible. iris dark brown, testes and legs
faded orangish yellow.
- 30371 Nov 17. Kuria Is Kuria Atoll
428 Fairy Tern ~~immature~~ wt 114 gms. Iris dark brown,
bill blue at base, black at tip, testes and legs. light
blue, webs white, claws black, brood patches.
- 30370 429 iris dark brown, bill black on tip blue at base.
claws black, testes and legs. light blue, webs white.
- 30326 Nov 16. MAIANA Is. MAIANA Atoll Gilbert Is.
430 Golden Plover wt 129 gms testes 5x3mm
iris dark brown, bill black, testes and legs gray -
claws black.

Huber LN.
1964

Catalog.

- 30329 Nov 16 MAIANA Is. MAIANA Atoll Gilbert Is.
431 Anous. minutus wt 104gms testes 2x6
Iris dark brown, bill black, ~~testes and legs~~ dark?
brown, tarsus. brownish tan.
- 30328 432. wt 111gms Largest testes 7x4mm.
bill black, iris dark brown, feet and legs. dull
brown, brood patches present.
30356. 433 wt 111gms. testes 10x6mm.
bill black, iris dark brown, feet and legs.
light brown, brood patches present.
- 30327 434 Anous ~~stolidus~~ ^{stolidus} wt 194gms L. ovum 7x7mm
Feet and legs dull brown, iris dark brown, bill black.
- 30359 Nov 17 Kuria Is Kuria Atoll Gilbert Is.
435 Anous. stolidus wt 258gms testes 9x5mm
Iris dark brown, bill ~~black~~ and claws black, feet
and legs dark fleshy brown, Brood patches present.
- 30393 Nov 18. Kuria Is. Kuria Atoll
436 Reef heron, wt 530gms. L. ovum 17mm
~~very~~ very large oviduct oviduct averages 20mm
iris yellow, bill grayish yellow, feet and legs. dull
greenish yellow. black, mottled sparsely with black.
30352. Nov 16 MAIANA Is. MAIANA Atoll
437 Curlew sp. wt 334gms Ovary 9x4mm
Bill grayish horn, pink at base of lower mandible;
Iris dark brown, legs and feet gray.

Catalog

Huber LN
1964

- 30366 Nov 17 Kuria Is Kuria Atoll Gilbert Is.
438 *Anous minutus* 109 gms testis 10x6 mm
iris dark brown, bill and claws black, feet and legs light brown. brood patches present
- 30369 ~~438~~ 439 wt 109 gms. testis. 10x6 mm.
iris dark brown, bill and claws black, feet and legs tan, No brood patches.
- 30416 Nov 19 ANANUKA Atoll
440 Wandering Tattler wt 118 gms. testis 3x1 1/2 mm.
iris dark brown, bill gray with black tip and lighter at base of lower mandible, feet and legs chalky yellow, claws black.
- 30418 441 wt 115 gms testis 4x1 1/2 mm. iris dark brown, bill gray with black tip with brownish at base of lower mandible.
- 30424 442 *Pluvialis dominica* wt 103 gms testis 4x1 mm
iris dark brown, bill black, feet and legs gray
- 30402 443 *Anous stolidus* wt 166 gms L. ovum 4x4 mm enlarged oviduct
iris dark brown, bill black, feet and legs dark fleshy brown, brood patches present.
- 30404 444 wt 151 gms. L. ovum 3 mm enlarged oviduct
iris dark brown, bill black, feet and legs dark fleshy brown, brood patches present.
- 30406 445 wt 189 gms. testis 10x6 mm iris dark brown,
bill black, feet and legs dark fleshy brown, brood patches present.
- 30354 Nov 16. MAIANA Is. MAIANA Atoll Gilbert Is.
446 *Anous minutus* wt 137 gms testis 9x5 mm
feet, legs, and iris dark brown, bill black no brood patches.
- 30351 447 Wandering Tattler wt 104 gms ovary 6 mm
feet and legs dull yellow, lower mandible ~~grayish greenish~~
horn dark at tip, upper mandible grayish black.

Catalog

Huber
1964

- 40426 Nov 21 Nov 21 At sea. Pacific O.
448 Phoenix Is Petrel? wt 307gms ovary 7x4mm
iris dark brown, bill black, legs light bluish flesh, feet
black except for white on proximal half of foot.
- 30396 Nov 19. Aranuka Atoll Gilbert Is.
449. Crested tern, wt 352gms testis 5x3mm
iris dark brown, bill chalky yellow, feet and legs black,
no brood patch present.
30394. Nov 18 Kuria Is. Kuria Atoll
450 Pacific Pigeon wt 398gms L. ovum 2mm.
ovary 15x7mm
iris red, feet and legs waxy red, claws black.
- 30407 Nov 19. Aranuka Atoll
451 Anous minutus wt 110gms ovary 12x6mm
iris dark brown, bill black, feet and legs brown,
no brood patches.
- 30355 Nov 16 MAIANA Is MAIANA Atoll
452 Anous minutus wt 116gms L. ovum 3mm
iris dark brown, bill black, feet and legs light
brown, No brood patches.
30395. Nov 19 Aranuka Atoll
453 Crested tern wt 360gms testis 5x4mm
iris dark brown, bill chalky yellow, feet
and legs and claws black, No brood patch
present.
- 30337 Nov 16 MAIANA Is MAIANA Atoll
454 Ruddy Turnstone wt 98gms testis 2x1mm

Huber LN. Catalog
1964

- 30305 Nov 14 Butaritari Is. Makin Atoll Gilbert Is.
455 Sharp-tail sandpiper wt 55gms. testis 4x1mm
iris dark brown, bill black with brownish at
base of lower mandible, feet and legs dull olive
green claws black.
- 30414 Nov 19 Aranuka Atoll
456. Black naped tern, wt 100gms Largest ovum 8mm
iris dark brown, bill feet and legs black.
- 30401 457 Common noddy wt 169gms ovary 10x6mm.
iris dark brown, bill black, feet and legs dark
slaty brown, No brood patches.
- 30427 Nov 22 #52A 1145am. pickled
458 Puffin ^{tenuirostris} ~~pratincola~~ wt 314gms bill dark gray
with blackish tip. feet and legs pinkish bluish
grayish outer tip of claws black. found dead.
- 30387 Nov 18 Kuria Is Kuria Atoll
459 Golden plover wt 126gms. ovary 9x4mm
iris dark brown, bill black, feet and legs gray
- 30425 Nov 19. Aranuka Atoll
460 Golden plover wt 124gms ovary 9x4mm
iris dark brown, bill black, feet and legs gray.
- 30209 Nov 10 Enybor Is Jaluit Atoll Marshall Is.
461 ~~Halimastur~~ *Halimastur* *stolidus* wt 220gms testes 8x5mm
Bill black, iris dark brown, feet and legs brownish black

Huber
1964

Catalog

- 30213 Nov 10 Kabbenbock Is Jaluit Atoll Marshall Is
462 Crested tern, wt 332gms L. ovum 5x5mm ^{enlarged}
iris dark brown, bill yellow (dull) feet and legs black
soles pale fleshy yellow.
- 30186 Nov 4 Kwajalein Atoll Roi Is. Marshall Is.
463. Ruddy turnstone wt 105gms ovary 10x6mm
iris dark brown, bill black, legs and feet orange
dusky at joints.
- 30189 464 wt 99gms ovary 7x4mm. iris dark brown,
bill black, legs and feet orange dusky at joints.
- 30185 465 wt 100gms ovary 10x6mm same as 464.
- 30179 466 wt 101gms. ovary 8x5mm. colors same as 464
- 30303 Nov 14 Butaritari Is Makin Atoll Gilbert Is
467 Ruddy turnstone wt 95gms. ovary 10x5mm
iris dark brown, bill black, feet and legs orange, claws black
- 30114 ^{Oct 25} ~~Nov~~ Enego Is. Erikub Atoll Marshall Is
468 Anous minutus wt 113gm testis 10x5mm
feet and legs dark brownish, bill black, iris dark brown.
- 30113 469 wt 135gms. L. ovum 31mm egg white present
feet and legs light brownish; bill black, iris dark brown.
- 30235 Nov. 11, Lijerow Is Jaluit Atoll Marshall
470 Anous minutus wt 57 sex? imm.
iris dark brown, bill black, feet and legs black, webs ^{dark} gray
- 30233 471 wt 113gms + testes 2x1mm
iris dark brown, bill black, feet and legs + claws black

Huber HN Catalog
1964

30428 Nov 23⁽²⁾ 0745 at sea
medium fat. 472 slender billed shearwater wt 425 gm
tarsus and legs bluish flesh on inside, dark gray on
outer sides, bill gray with black tip, iris dark brown.

30429 Nov 23⁽²⁾ 0800
heavy fat. 473 S.B. shear wt 544 gms. testes 3x1 1/2 mm
tarsus and legs purplish flesh on inner side, black on
outer side; bill gray, nostril and hook of bill
black. iris dark brown.

30264 Nov 13. Kotabu I Makin Atoll Gilbert Is
474. wt 587 gms. testes 7x4 mm Red Heron
Iris ~~black~~ yellow; mandible light gray and horn;
maxilla brownish (horn, both lighter at tips);
tarsus and legs light green with lemon yellow soles.

30430 Nov 23(b) 1415 AT SEA
very heavy fat. 475 S.B. shear. wt 560 gms. testes 3x1 1/2 mm
iris dark brown, bill gray with black nostril and hook,
tarsus and legs. light purplish flesh on inner side
and black on outer sides and tip of feet.

30431 Nov 23(b) 1705 AT SEA
No fat. 476 Whitenecked petrel wt 397 gms. ovary large
Iris dark brown, bill black-upper and lower tip
with slight grayish cast; legs whitish pink; feet
and web - proximal portion whitish pink, distal
portion and claws black.

Huber LN Catalog
1967

- 30432 Nov 24. AT SEA 0655
No Fat 477 Kermadec Petrel. wt 328 gms testes 4x1mm.
iris dark brown, legs and proximal portion of foot light
fleshy grayish brownish, distal foot black, bill black.
- 30403 Nov 19. Aranuka Atoll Gilbert Is.
478 ♀ Anous stolidus wt 218 gms iris dark brown
bill black, feet and legs fleshy brown.
- 30433 Nov 24 AT SEA 0945
479 White Necked Petrel wt 469. Ovary 13x4mm
legs and proximal foot whitish, distal foot black, bill
black, iris dark brown, No fat.
- 30214 Nov 10. Kabbenbock Is. Jaluit Atoll Marshall Is
480 Reef Heron wt 503 gm testes 6x2mm
iris yellow, bill upper blackish yellow, lower
grayish yellow, yellow tips; feet and legs
yellowish green, soles yellowish claws ^{greenish} spatz ✓
- 30217 Nov 11 Jaluit Is Jaluit Atoll Marshall Is.
481 ♂ Anous stolidus wt 205 gm bill black, iris
dark brown, feet and legs brownish black,
testes 8x4
- 30434 Nov 24 AT SEA 1535
482 Red-tailed Tropicbird wt 856 gms (stomach 117g)
testes 6x2mm iris dark brown, bill red with black
streak at nostril and light orange at base. legs and
proximal foot light blue, distal foot black
mouth lining violet. ^{stomach contained a} perching fish about 4" long

Huber LO Catalog
1964

30435

Nov 25, At sea 0820

483 *Larus storm petrel* wt 37gms σ^7
bill feet and legs black, iris dark brown. ^{medium to} low fat.

30210

Nov 10 Enybor Is. Atoll

484 Reef Heron wt 609gms Ovary 15x7mm
Lumen 5mm slightly enlarged oviduct, Feet and
legs yellowish green with ~~lemon~~ yellow soles.
iris yellow, facial skin yellow, mandible dull
yellow with an orange cast, maxilla similar
with brownish horn dorsally

30436

Nov 25 At sea 1323

485. Red tailed tropic ^{wt. 782gm} 1mm ovary 13x5 granular
stomach weight 48gms. Iris dark brown;
mouth lining violet; bill mottled black + orange,
lighter at base, tarsus + upper $\frac{1}{2}$ foot light blue
rest black.

30438

At sea Nov 25 1450

486 Wt. Tropicbird wt 395gms. ovary 12x5mm
legs and proximal foot light blue, distal
foot black, iris dark brown; bill, upper light
grayish blue with a black streak at nostril and
black tip, lower light grayish blue with
mottled with black ^{AT} tip No Fat.

30439

Nov 25 At sea 1622

487 ~~Red~~ Cook's sp. wt 156gm testes 2x1 $\frac{1}{2}$ mm
Iris dark brown, bill black legs and proximal foot whitish
flesh color; outer foot and claws black, medium fat

Huber
1964

Journal

30440 Nov 25 1710
488 Sula leucogaster wt 1825 gms. Testes 10x2 mm
iris gray, bill greenish gray, facial skin
dark gray, feet and legs gray.

30279 Nov 14. Jukuree Is Makin Atoll Gilbert Is
489 Ruddy Turnstone (our little Alutian friend #6524918)
wt 97.5 gms. ovary 8x3 mm Bill gray-black,
iris dark brown, feet and legs dull orange dusky joints.

30441 Nov 26. At SEA 2115
490 Lestes storm petrel wt 32 gms. testes $1\frac{1}{4} \times \frac{3}{4}$ mm
iris dark brown; bill, feet and legs black.

30442 Nov 27 At SEA 0130
491 Lestes storm petrel wt 34 gms testes $1\frac{1}{4} \times \frac{3}{4}$ mm
iris dark brown; bill, feet and legs black.

30224 Nov 11 Ligeon Is Jaluit Atoll Marshall Is.
492. Sula sula wt 855 gm testes 10x7 mm
iris gray with brown inner ring; gular mottled
bluish-black, orbital skin light greenish-
blue; facial skin light orange-pink; bill
light blue feet and legs orange-red.

Huber
1964

Catalog

30272 Nov 13.

~~493~~ Kotabu Is MAKIN Atoll Gilbert Is.

493 Sula leucogaster wt 1261gms ovary 15x7mm
Feet and legs pale yellow, iris gray, bill and
gular pouch gray; facial skin gray
with dark spot in front of eye.

25014. Oct 9. SAND Is. Pacific Oc.

494 Fregatta minor Testis (2) 5x2mm

Bill Flesh, Iris dark brown, Gular pouch Blue.
Feet and toes white

30231 Nov 11, Likiep Is Jaluit Atoll Marshall Is.

495 Fregatta ariel wt 646gms. testes 10x5mm
Iris dark brown, bill light purple-brown; mouth
lining light orange; gular pale orange.
Feet and legs brown.

30219 496. Sula leucogaster wt 1130gms testes 9x3mm
iris gray; bill Feet and legs light chalky greenish.

30220 497 Sula Sula wt 970gms ovary 20x10mm

L. ovum 2mm, slightly enlarged oviduct. Iris
gray with brown ring inside; bill aqua blue.
gular black, eye ring light blue, facial skin
pink Feet and legs rose red.

30222 498 wt 841gms. testes 10x6mm. bill light blue

iris gray with darker gray inner ring; eye ring
light blue + blue; gular pouch black, mottled with
blue, facial skin pink; Feet + legs pale orange.

Hobbs
1964

Catalog

30223. Nov 11, Ligeron Is Jaluit Atoll

499. ~~500~~ Sula sula wt 820gms testes 10x5mm

Iris gray with slight pinkish gray; bill light blue; gular black; mottled with blue orbital skin light greenish blue + blue; facial skin light orange-pink feet + legs pale orange red.

30144 Aradogairik Is. Eirikas Atoll Oct 27, 1964

~~499~~ 500 Sula leucogaster wt 1221gms.

testes 20x16 mm, Feet and legs pale-green iris gray; bill; facial skin and gular pouch varying shades of blue to blue black.

30145. 501 testes 22x10 mm 1135gms ~~wt~~ medium fat.

Ext and legs pale blue-green; Iris gray; bill, facial skin and gular pouch ~~varying~~ varying shades of blue to blue black.

30142 502 wt 1170gms testes 17x8mm.

Iris gray; bill, facial skin and gular pouch varying shades of blue, feet and legs blue-green.

30229 Nov 11 Ligeron Is. Jaluit Atoll

503 Sula sula. wt 1012 gm. ovary 22mm

L. ovum 7mm slightly enlarged oviduct.

Iris gray with brown inner ring; bill light blue; gular black, orbital skin light blue + blue, facial skin pink. feet and legs medium rose red.

Huber
1964

Catalog.

30225 Nov 11 Jaluit Atoll Lijerov Is.

504 Sula sula. wt 930gms. testes 8x2mm
Iris gray with brown inner ring; bill light blue, tip blackish
orbital skin light purple; rest of facial skin pinkish
Ears and legs pale red.

30160 Nov 3. Kwajalein Is. Kwajalein Atoll

505 Shoveler duck. 405gms. ~~testes~~ (?) Iris
yellow-brown, upper mandible brown-gray, orange at
edge + base, lower mandible orange; legs + toes orange,
webs + joints light brown, nails dark brown, mouth
lining + tongue flesh.

30148 506 Pintail duck wt 799gms ovary 8x6mm granular
Iris dark brown; bill dark gray, lighter below;
mouth lining flesh, tarsus + toes gray-brown webs black

30159 507 ^{shoveler duck} testes 5x2mm wt 420mm

Iris yellow-brown, upper mandible brown-gray, orange.
At edge + base, lower mandible orange; legs + toes orange.
joints + webs light brown, nails dark brown, mouth
lining blue-white, tongue flesh.

30227 Nov 11, Lijerov Is. - Jaluit Atoll

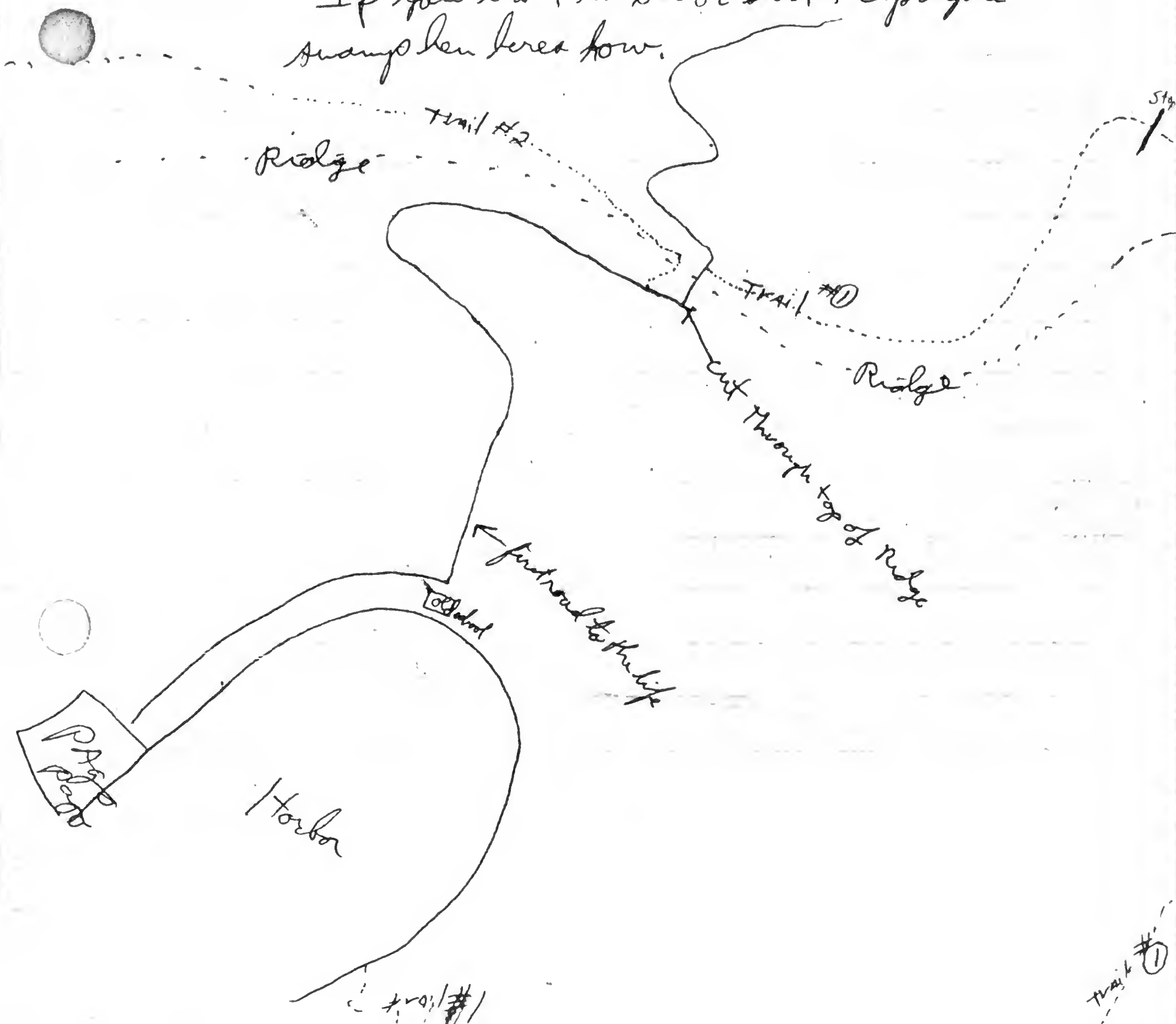
508 Sula Sula 791gms testes 10x7mm
Iris gray with brown inner ring; bill light blue; gular
~~gray~~ black; orbital skin light blue mottled
with black, facial skin pink; feet + legs paler red.

Huber^{LL} Journal
1967

Out of
Order

they see the cuckoo walking on the dirt roads
many times.

If you want to see or shoot the purple
swamp hen here how.



TAKE Trail #1 at sunrise and keep good lookout up ahead
and as you are rounding bends and you will see groups here
jumping up and flying down ~~edge~~ below trail. Also
banded rails. Also watch banana trees and road as you
are going to trail. From the road to ~~the~~ the stop point
is the good part for swamp hens from the stop point on is
good for pigeons and doves. Trail #2 is good for
the honeyeaters and starlings. It goes to the highest peak
on the island. ~~Trail #1 goes to the~~

Huber/1965

JOURNAL

JAN 26

HONO. — AT SEA.

HAD some trouble getting out here, because of ice + VAIN in Toledo all planes were canceled. so I had to drive 300 miles to Chicago and take the plane out ~~there~~ of there. I spent about 15\$ driving there (tolls + gas) and got a 6\$ refund on my plane ticket. Not a very good ratio.

I am getting screwed already this trip. — no excursion. Nobody back at the SI (except people who don't know anything about stuffing big birds) likes cotton bodies. I can't put up as good a skin with a cotton body, so this next batch of birds shouldn't help my standing at all. If Earl in taxidermy ever finds me doing birds with cotton bodies he'll never help me with birds again. Bober will never talk to me again. Arrguh. I hope we don't collect many large birds this trip.

Since I've got to skin a lot of the birds I wish someone would let me have a say as to what I skin with. With all the tons of sawdust available to the project I find 100 lb of Cornmeal aboard for skinning. No wonder the project is always complaining about its birds being no good. Maybe some day it will learn that top quality birds can't be put up with poor quality materials.

Huber
1964

Journal

JAN 28 AT SEA

Woke up last night ^{at 0200} to the sound of sooty terns. When I went outside most had already left but I could still hear about 8 of them. One that was calling, called a high pitched squeek (not a call). I was probably a young one but I not ~~sure~~ sure because it didn't call while I was there. The night before last there were sooties around the ship also.

Feb 1 Howland Is.

Banded 18 graybacks 6 Wandering tattlers 2 common noddies
2 Sooty terns. 13 Hundred sooty terns last night
~~13000~~
(1300)

Feb 2 Howland Is.

Banded 7 grayback terns and 3500 sooties last night
When we first approached ~~the~~ this island on ~~Feb~~ Jan 30
I saw 3 and maybe 4 storm petrels. (Leach type)
less than 4 miles off the Is. On the night of the
1st of Feb. two storm petrels came aboard the ship but the
sailors released them before we knew about them.
SAW a sooty tern incubating a turbine shell
last night. Something still believe in
miracles.
(3507)

Feb 4. Baker Is.

There are a lot of turtles here. I suppose
there is about 30-100 on the Island.
They range from 14 inches to full
grown adults. Most are at the SW end of the island.

Journal

Feb 6. McKean.

Why do storm petrels. come in ~~two~~ twos? I've got a good idea why. But what puzzles me is ~~how~~ how they can be so separated yet be together. Doesn't make much sense so far does it? Many times at sea I see a storm petrel and then 3 or 4 min later see another one. These birds are ~~never more than~~ always far out of sight of each other. Somehow I think they know where the other of the pair is. These may be the only storm petrels seen that day or the same thing may happen a couple of hours later. On the Shearwater in the Marshall trip two came aboard the same night only not at the same time. (the only storm petrels that came aboard the whole two months) This trip off howland ~~two~~ two came aboard the same night at different times again. What's going on???

Saw a Phoenix Island petrel from the rubber boat as we left Baker. He came within 1500 feet of the island.

31 Hawaiian Noddies 6 Wandering Tattler
 1 Bulwer's pet. 1 Ruddy turnstone 1 Golden Plover
 27 W. Shearwaters 1000 Sooty Terns
 57. WTS Petrels 2 B.T. Cuckoo
 Banded 100 Grayback chick 9 R.T. Tropicbirds
 (1235)

Journal

Feb 7 McKean

Turtle up digging around last night not a very big one. may be 200 lbs.
 Now I understand why sooty tern dance.
 To keep ticks off themselves. This place is overrun with ticks. Every foot of ground is peppered with hundreds of ticks. The less a sooty moves the more ticks walk on him. The poor incubating sooties are just covered with ticks. The ticks go for the feet ~~and~~ legs + bill. ~~Consequently~~ Bill, legs and last feet in line of preference. Some cases are pretty bad. the ticks like to bulldoze, so consequently the forehead is sometimes pushed clean of skin. Went skin diving today. saw three sharks. all *Charchorinus* type one white tip other two normal tan colored ones (not black tip)

Feb 7 banded. 800 sooties 100 Audubons
 100 common noddies 80 White throated storm petrels
 1 Red tailed tropic 70 bulwer's petrels
 1 wandering tattler 2 Golden plovers 10 Brtsk hybrid ^{Cook's}
 5 Wedgetailed shearwaters

(1100)

G.I.

7176

Apparently ticks don't bother *Procelliformes*.
 And only little harm to noddies.
 (this is from looking at birds mixed in with sooties)

Journal

Feb 10

Birnie

Banded ~~17~~ 17 Blue Faced boobies, 3 wandering tattlers
1 Golden plover, 8 Ruddy turnstone, 45 Grayback
terns. 6 Brown boobies. Not right

Saw a huge sea turtle underwater yesterday. I seemed
to fly through the water. Also saw a barracuda
and two types of sharks. One shark was either
aggressive or very curious. It follow me
all the way to shore circling all the way.
The circling itself doesn't bother me too
much normally but when the circle has a
four foot radius I get worried. Sharks are
really impressive animals. This one
would look like it was leaving and
when it got about 50' away it would
start swimming directly toward me
and wouldn't change course until
about 4 feet away. After doing this
a couple of times it impressed me
so much I decided to leave. The other
type of shark was the common sand shark.
It wasn't very aggressive and sometimes
was downright chicken. There was
a noticeable change in his attitude
when the other shark came. Each
shark seemed to give the other confidence.
The barracuda was the second one I've
ever seen underwater both ~~times~~
shot away ~~the~~ upon seeing me.

Journal

Feb 1) Birnie Is.

I am convinced we are losing 90% of our #8 off Blue faced boobies. They are just too large for the boobies. ~~But~~ I've always been amazed at the high number of imm^{and subadult} blue faced boobies around that are unbanded. ~~We~~ We have banded every chick in the phenix group for the last two years, yet $\frac{3}{4}$ of the young birds don't have bands. Last night I found a drum that the #8 slipped on and off the foot without any effort. This has happened many times before. But a new thing also happened last night. I found a subadult with a green paint ring around the neck (~~and~~ an old paint ring) and no band. Conclusion! There ought to be some way we could color mark or tag a bird with a #8 band so we could tell if its lost. Another thing we ought to paint our band strings as we use them when ~~we~~ we band sooties and noddies. This way the bander could tell at a glance (without wasting time by picking up the bird and reading number) whether the birds was banded that night or not. This would also help get more returns because if ones has a group of noddies (that flush at the slightest disturbance) one won't grab the wrong bird if he can see it was banded that night or the night before.

Journal

Feb 11 Birnie

The paint wears off in a couple of months and using a different color for each island ~~then~~ if one saw a group of banded birds and one with a different color than for that island, the person could ~~not~~ make a special effort to get the number instead of grabbing a bird he banded the night before. If everybody painted each band string before they banded sooties everybody banding average would jump up because they wouldn't be wasting time picking up and reading numbers of the previous nights banding. I know out of 1500 jump up 300 birds for about a minutes times by everybody to paint the band strings. I also think it would help get more returns by eliminating wasted times of picking up your own (and fellow banders) birds of that night. A big turtle (¹⁵⁰ lbs) came up on shore probably a month ago and died while digging a hole. Collected barnacles off of it, no tag. (I think one of the projects big mistakes is not having turtle tags which Dr Carr would gladly let us have. I personally could have banded 7 so far. ~~And~~ I have never gone to the leeward isle turtles are abundant.

Journal

Feb 12 Enderbury Is.

Banded ¹⁸⁵ Common Noddies 1 A. Audubons. 5 Wedgetailed Shearwaters
Last night on Brewis

Feb 13 Enderbury Is

banded 3 tropicbirds 5 blue faced boobies 1 brown booby yesterday

two turtles came up on the beach last night.

I tried digging in the two fresh excavations but found nothing (found some old turtle ^{egg shells} in one.)

From the looks of the tracks there must average 4 turtles a month up on the beaches here. ~~SAW~~ SAW

4 turtles averaging 150-200 pounds apiece feeding in the surf on the windward side. The

next day I went back to that spot at low

tide and collected a bunch of a grass-like moss that grew all over the bottom there. The grass was

most abundant in this spot and so were the turtles. Conclusion ~~the~~

Feb 14. Enderbury

Banded 1000 sooties and 1 Audubon last night.

Feb 15. Enderbury Is.

Banded 3 Red Footed Boobies ~~2~~ AND

215 sootie terns last night

Feb 16. Enderbury Is

Banded 938 Frigates 210 sooties 26 Brown boobies

AND 31 Blue Faced Boobies last night.

8955

Journal

Feb 17 Enderbury

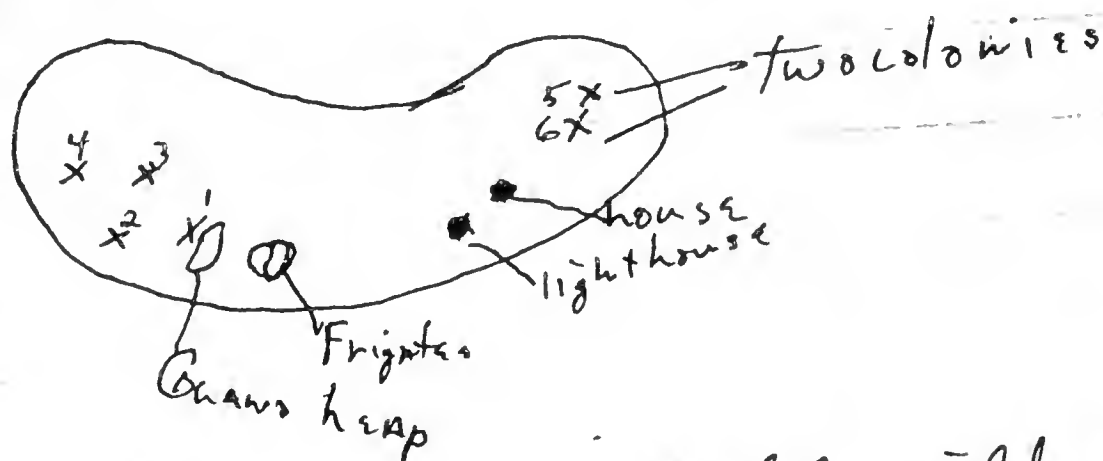
Banded 1000 sooties, 14 Hawaiian Noddies
2 Blue Faced, 2 Brown Boobies last night
Saw a sooty tern last night (chick) whose feet were half pink

Feb 17, Canton.

Banded 189 Grayback terns, 28 sooties
and 1 wedgetailed Shearwater.

10,191

Could it be that the reason why the
sootie colonies move around from spot
to spot on the same island is a natural
tick control. As I said before the
only birds the ticks seem to feed on (primarily)
are sooties terns. If the colony moved
from spot to spot then ~~each~~ each
new spot would be relatively tick free.
And by the time the colony got back
to its original spot the ticks will
have died out. On Enderbury for
example there were 6 colonies.



The only colony very infested with ticks
was the one closest to the Guano heap (1)
At Number 2. I found 2 ticks out of about 1500
chicks. Colony Number 4 found ~~no~~ no
ticks out of a 1000 chicks. didn't
see any ticks in colony #3 (but didn't
band there. The only trouble with

Journal

my theory is that I didn't do any night banding at colonies 5 and 6 ~~the night before~~ so I can't say anything about the two new colonies that are closest to the old spot of the original breeding colonies of the previous months before. But one thing is certain, no colonies were breeding where they ~~used~~ bred before. Also only one out of four new colonies were infested with ticks. Colony #1 eggs and ~~small~~ small chicks. Colony #2 ^{and 4} Large chicks that will fly soon. Colony #3, 5, 6, eggs and a few small chicks. The odd thing is, is that the oldest colonies #2, 4 doesn't have ticks and a new colony #1 ~~is~~ is infested with ticks. I am getting confused on McKean



squares are old ground buildings.

colony 1, 5, 4, 3 on eggs colony 2 on eggs and few chicks

A new colony #1 was so tick infested that there was about 10 ticks a ~~bird~~ bird colony 4 not many ticks but present, colony 3, ?, colony 2 mild infestation of ticks colony 5 few ticks. Why the ticks in new colony #1. Arrgh! One theory shot to hell.

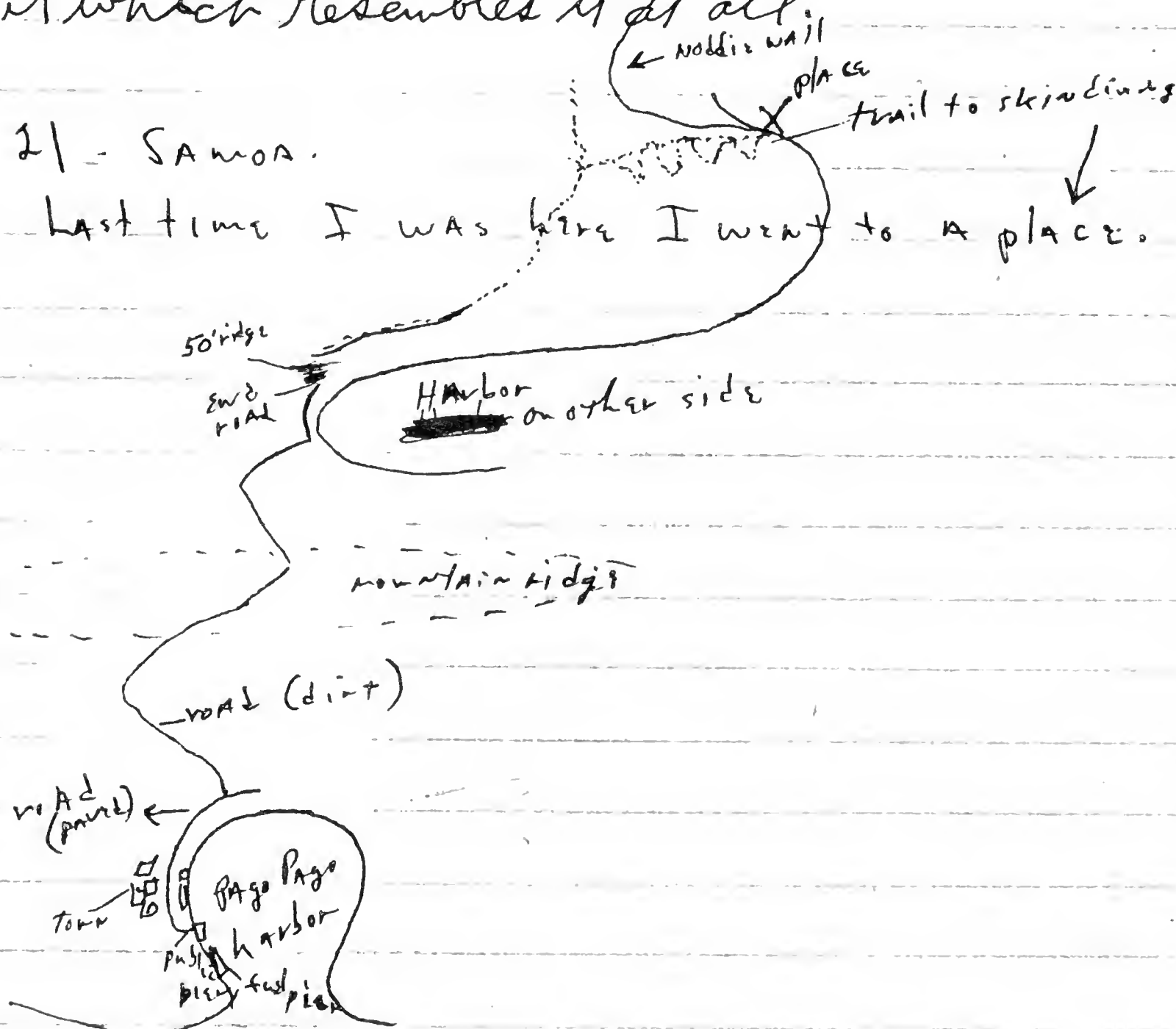
Journal

Feb 19 AT SEA.

Saw a weird Procelliformes today:
It was bulwer's size maybe ~~slightly~~ but with
slightly shorter wings. Sort of like a
small all dark Bonin. It was brown
above with a white cap and lighter brown
on the underside of the wings. It appeared
for all the world like a hawaiian noddy but
it was definitely a Procelliformes and
probably a petrel. I think it had a rounded
tail but am not certain. I did not see
any fork. ~~It appeared to~~ looked like a cross
between a Hawaiian noddy and a Bonin in
appearance. Alexander has no bird
in it which resembles it at all.

Feb 21 - SAMOA.

Last time I was here I went to a place.



Journal

Feb 21 Samoa.

At this place I saw a noddy colony of about 200 ± 100 noddies (common) nesting in trees. ~~about~~ About 60' tall. The trees grew up ~~the~~ a wall which rose at about an 80° angle out of the sea so that some nests were sometimes 500' straight above the water. Weird place for noddies to nest. ~~I~~ I would hate to be a chick who couldn't fly in that colony. Come to think of it I would hate to be a noddy.

Feb. 23 SAMOA.

Found a starfish on a reef wall at about 15-20 ft. The wall was about 50 ft tall and stopped at 2-4' under the surface of the ocean. The starfish measures 13 inches across, has 10 legs that average $4\frac{1}{2}$ " long (also two bud legs $1\frac{1}{2}$ " long) by $1\frac{1}{2}$ " at base and taper to a ~~sharp~~ rounded point. It has red spines (average $1\frac{1}{4}$ inch long, about $\frac{1}{8}$ " thick and tapers to a sharp point) skin of animal is a dark purple. The body (not counting legs is about 4" across) The tube feet are a transparent yellow.

Feb 25. ^{at sea} A lot of wedgtails. (dark phase) within a mile of Samoa. and the soon faded of to a few when half a day out of Samoa. Wish we could visit offshore islands around Tutuila. The only offshore island I can get to was so steep and d.

Journal

Feb 25 Atira

I got up about 1/2 way and started worrying about getting back down. But it seems very certain there is nothing but Blue grays Fairway and C. Nods on it. About 18 \pm 3 reef herons roosted on it the evening I went out to collect at the island. (About a 1 1/2 miles out of Fagoro toward airport). Got 5 blue grays and a reef heron. All the herons out there seemed to be dark phase. Went to a bat cave while there and ~~got~~ shot 9 bats but was only able to retrieve 2. Cave is about 30' deep x 35' tall x 40' wide. Thick plants at mouth of cave and ~~shot~~ shot bats were difficult to find even when they fell at my feet. Caught two young ones that dropped from parents and shot a Fairy Tern there. They are very small bats (smaller than American Brown bat and larger than the eastern pipistile type).

Feb 27 Fakroto Atoll

Had a great meal tonight. We skinned 5 frigates 1 booby 2 noddis and a curlew. The natives cooked them in their Polynesian way and I got the curlew. I tasted great. Also had Coconut Crap, sugarcane, coconut pulp, meat and water. meal tasted great. Booby doesn't taste bad but frigate isn't so good.

Huber
1964

Journal

March 4, At sea between Atafu and Savaii.

Here I am again, long time no write.

The natives on this island aren't as native as they ought to be. They were corrupted by the Americans on there during the II war. (They built a LORAN station). The first things they asked for when we came in was beer. All the natives I've ever met up to this point never even thought of beer. When we left they started picking up little things here and there all over camp. I lost a snorkel and a pair of underwear, max lost a little box off with his contact lenses in it. I had to tape two natives on the shoulder and ask one for my shoes and socks he was wearing and the other for my shower shoes. In the Gilberts (The best ~~and~~ people [as a whole] I've ever known) they were so honest that when I shot a bird and threw the empty shell into the bushes they would ask me if I wanted it before they would take it. I found out there that they would exile ~~and~~ anyone who stole to a special islet. I never asked for how long they were sent into exile but even if they were, the shame from everybody on the ship and his family were enough punishment.

The natives on Atafu remind me very much of the ruined Samoan people. They are no longer on the status of natives but as a lesser or should I say ~~a~~ slum type people. Fakaofo and Mukuono were much better than Atafu but none were as good as the Gilberts.

Huber W
1964

Journal

March 4 At Sea

Now for a world shattering question. What are 500 hundred adult and immature ~~Lesser~~ frigates doing roosting in trees (in a colony) on Atafu if they never nest there? Same with the sooty terns. Continuously all day flocks of sooty terns (from 2-25) fly all over and around the island. When I ask if they laid eggs there they said no and that the nearest place they knew of that the sooties laid eggs was Sidney Is. There are so many sooties around that they "catch 50-60 a day" as the natives told me. They take captured sooties and take them out in the ocean and tie strings to the sooties legs and let them squawk and fly around the boat. When the other sooties come down to investigate they are caught with ~~net~~ ^{nets}. One native ~~said~~ said after I shot a sootie that a man in the village has a band off of a bird ~~like that~~, (pointing to the sootie. But everybody (Max and Doug) wanted to leave in a hurry so I never had chance to ask this native to take me to the man. Also with great probability there was another band in that village that we didn't bother getting, a ruddy turnstone band. Woodward will go along with me ~~and~~ ⁱⁿ saying that it is very probable there were at least 2 if not three bands in the village. But when ~~the~~ a native brought the number

Huber
1964.

Journal

of a Hawaiian noddy ~~everybody~~ (Max and Doug) thought
(for some unknown reason) that this was the
only band in the village and didn't think it
was worth while to check about the other two.
Now back to my world shattering questions.
What about the sooties and Frigates. I've got
many theories but none can be proved without
banding them. Since this is impossible
because of the time involved I guess these questions
will stay unanswered. But they're nice ~~to~~
to think about.

March 7-8 JARVIS.

Banded. 138 Redfoots 44 Bluefoots 123 Brown

Sooties. last night and this morning

March 9. JARVIS

I guess all my infections finally got me, I became
very sick on the Island. And when I went to see the
doctor on the hip he said I had an infection of the
lymph system. So with the help of about 5 pills
about every 3 hours and rack time, plus a ~~little~~ little
bit of project work to break the boredom of rack
time I am starting to feel much better. I am still
sore in spots but every thing will be back to normal
by Christmas and I can start feeling usual ATF miserable-
ness again.

Huber LN
1965

Journal

March 10 Jarvis

The cats here have adapted to our methods of hunting them. They are no longer afraid of us as they used to be. They are now afraid of lights, motion and sound. This means the days of the shotgun on Jarvis are over. We have to counteradapt. This is war. If we don't eliminate the cats this next trip all the shotgun shells, time and effort will have been for nothing. The first thing ATF has to do is steal the 22 rifle from ATF SEA. Then have a 4X scope installed on it. ~~etc~~ Then when we get to the island two people go out and hunt for cats together. One with a 12 volt hand light and the other with the 22. Aim between the two glowing eyes and chalk one cat off the list. This is the only way to get rid of the cats on Jarvis.

ATF has to have an accurate ~~gun~~ Long distance gun.

March 12 + 13. Motu Upua and Cook Islands

Banded 49 common noddies, 11 crested terns.

351 Phoenix Is Petrels, 21 wedgetailed shearwaters,

185 Christmas Is., 27 Redfoots, 24 G. Frigates,

37 fairy terns, 5 Bluegray noddy, 10 tropic (Redtail)

50 Hawaiian noddy.

March 14 Motu Tabu.

T
11732

263 Phoenix Is Petrel, 100 Christmas Is shearwaters,

90. Wedgetailed shearwaters, 11 common noddy, 2 G. Frigates

Huber LN
1965.

Journal

March 15 At SEA.

Somewhat I am going to ~~miss~~ all this. Next Sept I'll be in college. No more thousands of birds, no more Hawaii and Samoa, no more petrels no nothing. After this project I'll never be satisfied with those drab, nondescript land birds. I never see Haleakala with the Dark-rumped petrels again. So goes the days of the lesser amakihi in Oahu. I'll never get to see the Laysan or the Bonin or the Sooty Storm pet. So goes the days of wild surf and sharks while skin diving. No more popoia. never Mohu Moou. I may reach 80,000 but never 100,000. I'll never see the Silver tree again. No more Max ~~Waller~~ Wallick or Ala Moana. gone Kuajelains, Waiman, Mehean, Phoenix, Upua. Time and miles will regain their position in my mind. How am I going to make the transition back to that dull life back in those dull states. Arrgueh.

March 16 Palmyra.

banded 1000 sooty terns.

March 17. banded. 500 sooty terns.

March 18. Palmyra. Is.

Banded. 210 Redfoots.

S.T.
13,432

Hwb
1965.

Journal

March 19 Mt Sea

Food for thought again.

There is something all wrong here. The general trend on this project is for quantity instead of quality. This in itself isn't so strange since it is a temporary project. What bothers me is that after a very elaborate explanation that because this is a temporary project as much information as possible has to be gotten out of the specimens. Therefore the specimens do not have to be good but useable so that they can be studied now ~~now~~ instead of in the future. So I start putting up useable skins so that they can be studied in the present. But then I hear nothing but complaints about how bad the skins look (this is after a big wheel came to the D.I. and informed P.O.P.'s big wheel how bad our skins looked). So I ~~start~~ start putting up good skins which of course slows me down, this doesn't satisfy anybody either because not enough skins are put up. Isn't this interesting.

This doesn't seem to be the only field that quantity is stressed. Banding is another. Let's start off this sooties. I can see only two main reasons for banding sooties. To find out where they go and to learn how many ~~times~~ times a year they breed ~~and~~ where the breed ^{in other words travel and breeding}

Huber
1965

Journal

March 19

If we were ~~to~~ to find out about breeding we would record whether the sooty ~~was~~ sitting on an egg, nestling, etc or not. But we don't do this. So if that bird is caught 6 months later on the same ~~island~~ we can't say anything but that it is there 6 months later.

It may or may not have been breeding either time. So we really aren't proving anything. Next where do they go when they leave the island. We set up a grid area below the ~~beach~~ and in two years it has proved only one thing. Our birds don't go there. There is a very definitely trend of our band birds going north (as is proved by returns from ~~beach~~ of band birds). So why not start another or move the original grid north of the ~~beach~~.

Yes this is supposedly out of our territory but so are the Tokelau, Gilbert, Marshall and Alutians.

Also there is a lot of emphasis ^{on} shooting birds at sea ~~but~~ but this is all the further the emphasis gets. There is a very definite lack of enthusiasm about shooting Sooties, wedgetails, boobies ~~and~~ Albatross and frigates. Reasons ~~are~~ are because they never have

a band and they then need to be skinned.

This lack of enthusiasm ~~is~~ helping the persons aim at these birds either. Now if the emphasis was put on just getting the birds instead of shooting ~~at~~ them I think the enthusiasm of the personnel would rise and with it the number of birds gotten. ~~They~~ there are many ways of getting birds at sea without shooting them. Chumming and or hooking and netting for petrels, frigates, shearwaters and albatross, netting for sooties (which at the height of the season could amount to 60 to a hundred a day) and the proper use of lights at night for tropicbirds and anything else.

These live birds could not only be used by checking for leg bands but could be banded, bloodsampled, parasited, checked for molt, brood patch and anything else and released again in hopes of being picked up on ~~an~~ an island.

This way we could have both quantity and quality instead of just quantity alone as in the past. Also as it is right now it is up to the leader of the group to explain how important it is to collect birds at sea and this doesn't ~~to~~ have enough weight. Orders from someone ~~to~~ much higher up should be

to the captain

Huber
1965

Journal

March 19, at SEA.

given to the captain so that we get better cooperation and thus more birds. ~~about~~ The only ship that is any good for collecting is the shearer and it is far from perfect.

Oh well so goes one night's pondering.

March 21 at SEA.

Somewhat I feel guilty for not writing in my journal. So here I am again. Should write about the Sooty Shearwaters that are coming by but everybody else is. So in my loyal effort to prevent duplication I won't write about Sooty Shears. Right now I feel like running off to wake with a fifty thousand bands and hoping everybody would forget I was alive. But that won't do either. I'd get bored after the first 20 thousand. Here I am, two months ~~on~~ an ATF trip, ~~on~~ 16 hours from port and I am not happy to be getting back. I should be happy.

Arrgh! Why must man be damned with a mind. The other animals lives are so simple. Out of sight out of mind for them. When danger passed they forget about it. It is past, it no longer concerns them. When they are hungry they eat and no more thoughts of food. They live each day as it comes. But with a mind that thinks. Each day has worries and frustrations. Not only of that day but days past and future. Out of sight still in mind.

Huber
1965

Journal

March 24 At 52A

I hear so ~~many~~ many people saying that if they had their lives to live over again they wouldn't change any of it. I can't think of any part of my life I wouldn't change if I could live it over.

March 26. Oahu.

Went out to Mokuapu point. There were about 550 ± 50 Redfoots on nest, Thousands of sooties on the ground (probably on eggs) on Moku Nono. I swear I saw a Black-necked stilt sitting on a nest. There ~~was~~ was a stilt sitting in a depression on a little mud island about 4' out of the water and about 5' long by 2' wide out in the middle of a marsh pond about 100' - 50' round. There was another stilt standing in water nearby. This was out in the ~~flat~~ flat grassy area along side the main road just inside the gate to the Marine base. Also saw a family of 3 Anakihi's (two Adult and one imm) out in the mountains by WAIHEA WA. Also saw a Shama Thrush by the small pond (with the big spillway under the road) up on the Pali.

March 27, Oahu.

Went up to the sample bee again today and saw an immature and Adult. Elerio together. Also a Leiothrix got quite excited and ~~pounded~~ pounced around ~~chattering~~ chattering with a caterpillar in its mouth. So it was probably feeding young.

Huber L.N.
1965

Journal

March 27-28, Kauai, Hawaii

27th - Hiked back into the Alakai Swamps today. After walking for about 4-5 hrs. we came to a second little building down in a valley with a stream around it. We camped overnight there. That evening ~~just~~ ^{just} before about an hour before dark I was about a mile and a half - two miles on the other side of our campsite (toward the interior of Alakai) when I saw a AMAKILI like bird with a bill that was as long as its body (not counting tail). The light wasn't excellent so it appeared to be a dull olive-gray-green. The bill was decurved. It whistled a loud clear toned (much like a human like whistle) about 3 seconds long. And went from low to high pitch. Some other birds there give this call but it is ^{much} shorter with an ~~abrupt~~ ending. Whereas the AKIALOA's is an even increase for about 3 seconds. That same day while in 4th of the AKIALOA I saw a OU (Ad. ♂) Its call was just the opposite of the AKIALOA's. but with the same tone and loudness. The call of the OU goes down in pitch with a gradual decrease. The OU's call last for three seconds also.

28th. Went back to approximately the same spot as the first OU and saw another OU. This one uttered the same call. This bird was a dull non-descript bird with a dark bill. Could it be an immature. The OU were not feeding but the AKIALOA was feeding on Ohia blossoms.

April 5 Oahu.

Found ~~Laethrois~~ nest with 1 fresh egg in it upon the mountain today.

Huber
1965

Journal

April 10 Oahu.

Went up into the mountains today. Went up
~~mostly~~ the first main valley to the right of
Manoa (as one faces the mountains from Honolulu).
The valley subdivides into to smaller valleys
near the back. The right valley is the one
to take. Go to the end of the road and
there is a Watershed area that greets
you with a big sign that say many things
a couple of which are "KAPU" and
"not to exceed 500.00" fine for entering.
Go past all these signs (on foot) (good
trail) and keep following the trail
to the first water fall. (go up the
left side) and keep going till the second
water fall (go up right side) From
there on you are on your own
to get to the Crater. Bush warblers
in crater. Found a amakihi
nest. (fresh green grass on in
side) also saw 2 adults 1 imm.
amakihi, one partial adult
Elepaio and immatures.
found leiothrix and white eye
nests (empty).

The Gods are against me. Last time
I ~~was~~ was scheduled to go to wake
it was called off at the last minute.
Now ~~a~~ two weeks ago I was scheduled

Huber
1963

Journal

April 10, 8am.

to go ~~to~~ wake again. The day before
Pan Am went on strike (the only
Commercial going to Wake). So I couldn't
go till the next week. The strike was
still on so I am rescheduled to
go to Washington. Now the same
day I leave for Washington Pan Am
goes off strike. ~~Arggh!~~ The last
two weeks would have been ideal
moonrise for sooties but now
I am rescheduled to go to Wake during
a full moon. Arggh. I now it's not
right to expect everything but I feel
something ought to go right for me
something.

Huber LN
1965

Journal

Arrived 1330 midway time. contacted OOD then got a room at the BOQ. This is Saturday and can't get security clearance to go to Easter till the office opens on Monday. Two sooty banding nights shot. Thousands of Hawaiian noddies and fairy terns in the casuarina trees. Hawaiian noddies have completed nesting cycle and many immatures are flying around. Fairy terns are about midway in nesting cycle with mostly medium ~~size~~ chicks. Saw the feathers and skeleton to Bonin island petrel. Wedge tails are at extreme beginning of cycle with digging and few fresh eggs. They aren't too common but can be found in just about any thickly vegetated area away from houses. Plane going to Kure tomorrow. Have to go to SAR center to get boarding pass. This is quite a fantastic island. The birds mingle in with the people. Perfect compatibility. The fairy terns here are still friendly with people. In the southern islands the islands with a lot of fairy terns and people the fairy terns won't come near anybody. There's birds everywhere here on lawns and in ~~the~~ window sills. Cats aren't allowed here and only small dogs. There was quite a wind storm the other day. It blew all the fairy chicks out of the trees. Because of the lack of predation by dogs and cats I thought I'd pull a cool one and band the chicks. I found out later that probably most of those chicks are dead now. Rats! Literally, rats, they ~~are~~ run ~~the~~ right

up the trees and hill and eat chick terns.

July 18 Said To Midway

missed my plane to ~~midway~~ Kure. The clock in the BOQ is 51 minutes slow and I got ~~to~~ to the airport just in time to see the plane warming up at the end of the runway. Damnedable clock! Good grief! I got here the wrong day so I have to wait two days to get to the sooties. Two days shot. The very first day a string of 7B's break and falls all over the ground right outside the BOQ. I missed my plane to Kure. I am short money. I underestimated the number of 2s and 7s I would need, now I am out. Arrgue! Tomorrow I am going to the PX to get a camera I have been waiting two years to get. I hope I don't break a leg on the way. Heard a B.T. Curlew today. There is a set of telephone wires in front of the officers mess that has about 120 Hawaiian Noddy roosting on ~~the~~ it every night. out of the 120 I counted 8 banded ones one night. Arrgue! Lost the head of one of my only two cans of spray paint while banding tropicbirds.

The tropicbirds are at every stage of the breeding cycle except chick ready to fly and fresh eggs. There is a monstrous fan on the wall of my room with it on it's too cold with it off it's too hot. Well at least my radioworks. A lot of ~~adult~~ tropicbird chicks and some albatross chicks have a growth on their heads. It looks as if it will probably eventually cause their deaths. Albatross are at extreme end of cycle with chicks leaving island about 6 blackfoot chicks present and about 50 albatross chicks

with ~~about~~ ~~one~~ a dozen or so ~~adults~~ standy around
saw a wandering tat.

~~July 19~~

July 19 Easter Is. Midway, Atoll.

They sooty tern here don't stamp their feet
Three guesses why. Out of two thousand birds banded
~~that~~ I only found two ticks. One tick a thousand,
the same as ~~now~~ ticks at all. Since the density
of ticks has nothing to do with a sooty colony using
the same spot every breeding season then the only
thing I can think of is the moisture in the soil
determines the tick populations.

I built myself up all day today to 4000
in one night. It didn't get dark till 8:35 by 9:00
I had only 100 done. So with this depressing thing
confronting me, I dropped my ~~quota~~ quota to
3000 and ~~at that time I was to do the~~ when the
moon came up I dropped ~~it~~ to 2000 and
it took me two and a half hours to do the last 700.
How ~~horrible~~ depressing. It takes a lot to
build myself up to 4000 then have it shatter.
Saw a common noddy sitting on a small nestling.
The Crooks seem to be mostly on eggs and large
nestlings.

July 20.

I bought myself a pocket transistor radio to
use while banding. The most horrible ~~thing~~ thing about
banding sooty terns is the boredom. I find myself
talking to the birds and myself... And worse than

that. I start thinking the same thought twice
and sometimes ~~three~~ times in a row. I hate
this. One time I caught myself on ~~the~~ the
fourth time around on the same thought.
I think there is a total of 3 seals here
they are ~~usually~~ on the sandbars at the mouth
of the channel into midway lagoon.

Saw a orange streamered sootie this afternoon,
but after three unsuccessful tries of catching
it by sneaking up on it behind 2" high
brunches of grass out in a open area & giving up.
It was courting with another sootie. Dead of
dead birds under the antenna wires. Went to
the garbage dump and started sorting through the
bodies. After about 24 bands & gave up. The
more I unpiled the more I found, well less,
besides it smelled to high ~~heaven~~ heaven. I estimate
30 more bands in the pile. Maybe in the future
if I get up enough ambition (and courage)
I may try it again. I went back tonight
and caught the orange streamered sooty.

I was banding around last night when all of a sudden
I noticed I was standing in the middle of a vast open
area with what must have been 5-10 thousand sooties
and 20 albatross in it. I yelled as loud as I could
and ordered everybody ~~to~~ to shut up. During the
during the next three seconds a ear splitting hush
fell over the colony. When all attention was turned
toward me I yelled "Look stupid". During
the next 3 second ear-splitting hush, sure enough

Huber
1965

Journal

everybody looked stupid. It's amazing what the masses can do when organized. The only trouble with this radio is that between 2200 and 2400 there is a lovely country western program on. Christmas Island shearwaters are at the middle of cycle with median chicks.

July 21 Got permission to go to Kure again.

Wouldn't it be great to get a hold of a marine gas that would last for a couple of hours. Just think of the possibilities for mass banding of sooties. So what if there were night birds so nocturnal, the colony would never notice it. It would be better for the birds because the colony would only have to be hit a few times instead of many times. Also a large mass of people could go into the colony without disturbing the birds any more than one person. The government is always saying how it would rather use its power capabilities for peace time uses. This is a government project, it is peace time use. And they have the capabilities. Oh well dream on. I really like this island work when there is a good bed to sleep on and good food to eat. Also it's great to work alone. No one ~~giving~~ giving ridiculous orders or ~~to play~~ running around playing god. I do things what I want, where I want, how I want and when I want and I actually enjoy working.

July 22 Eastern Is.

I've got a good one. I wonder what code F+W gives on it's recovery schedules for a bird that dies ~~of~~ from starting a panic. I was out banding last night when I came upon a small clearing with about twenty roosters in it. I started banding it and had gotten 5 ~~ad~~ ~~had~~ ~~visions~~ of getting the rest when one panicked and went charging through the group scattering birds in all directions. Before you could say "You shouldn't have done that bird" he was dead. These birds die in some unusual ways.

July 23.

I had set the alarm for 4:30 pm today but I apparently shut it off and went back to sleep because I woke up at ~~11:15 pm~~ 11:15 pm. I just made it to the 1200 pm ~~pm~~ boat. That was close. If I had missed that I would have had to do better than 3000 a day to get my quota for the rest of the time on midway. And I don't think I could do it (on midway anyhow). Got two more lobster trap footers within about 3 minutes of each other in different parts of the colony. Just luck I guess. I just couldn't band 2 thousand birds a night, 9 nights in a row without this radio.

July 24. Eastern

Saw a redfoot nest on the ground today. It was built deep in the scarola in a little pocket on the ground. It was built up about $1\frac{1}{2}$ feet high with sticks. This is the first time I have

seen a redfoot nest on the ground on the northern islands. It had an egg in it.

July 25 Easter Is.

Saw a ~~large~~ orange streamered BT Curlew sitting on top of a 301 telephone pole. ~~The~~ I was casually barling along tonight. Concentrating on my radio when all of a sudden my whole barling operation came to an ~~abrupt~~ abrupt halt. The band wouldn't go on the leg. I look down to see why. and guess what. The sooty had two feet on one leg. This made the leg twice as wide. How about that 3 footed sooties.

I guess guess if a person handles thousands of sooties he is bound to run into unusual things. Well I just did 4 100 sooty tern nest things. Sitting a record with clicks is a snap compared to a lull. I could have done 400 more if I hadn't had some troubles with Gray bar and tag co. putting bands on the tubes too tight. Collected a weird color phase red-tailed tropic bird nesting ~~today~~. Where the black barring is supposed to be it is light grayish brown. Bill instead of being blackish is flesh and distal ~~bill~~ ~~bill~~ instead of being dark is light gray and legs instead of being bluish flesh is white. I haven't found any ~~traced~~ tropic birds or albatross on Easter, only on sand.

July 26. rained out

July 27.

I made it. Lost by the skin of my
teeth at 0730 finished last Sooty bird.
at 1130 finished last fairy tern band
and left island at 1600 after going through
check-out procedure

Just about broke myself up last night trying
to catch an orange streamer & sooty. Next
time I see one from a biaryl I think I
will save a lot of time and trouble and
fall over the handle bars ~~first~~ right
away and then go after the bird on foot.
By some stroke luck the bird was still
there after I got reorganized.

Aug 4. French Frigate Shoals Terns

When I first came onto Tern Island.
I wouldn't have estimated over 25 fairy
terns in the casuarina trees. Since
then I have landed over 60. Knowing
this I start to wonder about my fairy
tern estimate on Midway.

Aug 5 - 15 East Is. / Whole Is.

East Is. There are on the average 4 turtles
a night on the island digging around.

also every night we were on east ~~island~~

there were turtles hatching. On whole

there are about 4-5 turtles a night digging

and only two of the nights young turtles
were seen.

Found ^{very fresh} Dead ♀ turtle on east and when
skinned out it had 112 ready to lay eggs
and about the same amount of variously developed
other eggs. ~~turtle eggs taste~~ The white doesn't
harden when boiled and the yolk has a
granular feeling. Maybe it was the way it
boiled then. Many of these turtles come up
on the beach several nights in a row.
I am starting to worry, in the last week I have
had two dreams that I dreamed I was going
insane. ~~The end of one dream~~

~~was~~ The first one I dreamed I was on a
island somewhere and I had driven into a
restricted area (with permission) to spend
the night and band birds. During the ~~storm~~
night a bad electrical storm came up and
instead of regular lighting different ~~the~~ blinding
brilliant colors (red, purple, lavender, and blue were ones
that I ~~could~~ remember) kept flashing. The wind was
just screaming and dust was blinding me.
The last thing I remember is being on a small
radio with these colors flashing in my mind and
just ~~about~~ on the verge of going out of my mind
say "help, no one in party; help, smoke etc".

The other one was that I had just quit the
project and gone back to school, ~~etc~~ but instead
of talking everybody was moaning like wedgtails.
~~finally at the end of the dream~~ finally at the end of the dream.
They were all facing me moaning like
wedgtails and getting louder and louder

till I felt myself going insane and woke up.
Needless to say right outside the tent next to my
head a bunch of wedgtails were fighting.
They kept it up the rest of the night and I couldn't
get any sleep. I felt like killing those wedgtails
and if it hadn't been for some faint traces
of dawn I would have killed them. The dreams
~~about~~ themselves don't seem odd to me but the
fact that I dreamed them seems odd. These are
the first times I have ever dreamed I was going
insane and to dream both of them within 3 days
is worse.

Aug 16 - 28. French Frigate shoals.

East Is.

When I first arrived on East Island a
few weeks ago there was a young seal here
than a week old (probably about 4 days). ~~A~~ ♀ seal ^{was} very
protective. On Aug. 25 ♀ didn't seem very protective
young very chubby and about 4 feet long. Night of
August 25 young found alone on shore sleeping.
Ever since then it has been alone both day and night.
On the night of Aug 27^{on East Is.} I found a clutch of turtle
eggs hatching and helped 106 young into ocean (a
large number got eaten by crabs and lost before they
reach ocean) about 6 of the young were deformed
when dug out of clutch. Eggs about 14 inches down. One
bad egg found in clutch. On ~~Whale~~ ^{Island} saw a turtle
lay 84 eggs. about 50% of the time the same
in twos the rest single, no 3 at a times.

Huber LV
1965

Journal

The people at the Loran station say that there are many sharks at Whale Is. But I saw none. They ~~went~~ went over themselves but ~~to~~ said they didn't see any and were ~~surprised~~ by the lack of sharks. Apparently this is not their breeding season. Out of 5 sharks caught so far all have been ~~about~~ 3½ - 5 foot males except one which was a 3 foot ♀. These sooty terns are counting a lot over east Island. I guess this is the first time I've noticed. They will fly around sometimes so high as to be specks in the sky ~~and~~. They will fly around in pairs and their wing beats will be rapid and short. They will travel about around 4' apart (sometimes almost touching each other ~~and~~) and turn their heads in ~~the~~ such a way as to expose ~~more~~ more of the throat ~~to~~ to the other birds. I don't know if anybody knows this but ~~there~~ there is a common noddy colony on Oahu proper. It is on the steep side of Mokuauia point down by the ocean. It is in a large depression in the cliff. There is a color phase of sooty tern on these northern islands that isn't on the southern island. It is the speckled forehead plus the white barring on the back. There are a few sooties with speckled heads ~~but none~~ in the southern island but even the speckling is different between the ~~and~~ northern and southern ~~birds~~ sooties. But the big thing is that I don't remember ever seeing a ~~white~~ white breasted

Huber LN
1966

Journal

Oahu, Wake

JUNE 4 MANANA IS OAHU

Spent the night of June 3 and morning of June 4 on the island. Sooty tern colony very large, mostly on eggs but nearly half are medium chicks. W.T.S. not actually nesting but one pair was seen copulating. Bulwer's Petrels were on fresh eggs. Approximately 28 ± 3 present. Only about 5 nests seen and about 3 or 4 destroyed eggs laying around. (Probably from rabbits running through cave). Common noddies all on eggs. One red-footed booby seen sitting on the windward side of the peak. At the top of the peak just over the windward side there is a cave about two feet wide and one foot high that goes way back into the peak. I don't know how far it goes back because I couldn't see the end but I could see that it goes back at least 55 feet. A couple of W.T.S. in it. During evening no boobies seen flying between Manana and ~~Manana~~ Oahu but in morning many seen flying way from Manana between Manana and Oahu.

June 7. Popoia Island OAHU.

Spent from 7:30 pm to 11 pm on Popoia. During that time I estimated about 600 W.T.S. and 200 ± 50 Bulwer's petrels. On Manana a couple of nights ago there were better than half the birds on eggs. Tonight on Popoia I saw only one Bulwer's on an egg out of about 10 birds found. As usual almost any bird found in a hole and under bushes was ^{already} banded and those setting in the open were mostly un-banded. Island was a lot wetter than usual even water in some of the larger holes and more vegetation than usual.

Huber, L.N.
1966

Journal

June 8. MOKAPU Point Booby Colony

Saw frigates chasing redfoots. There were many brown's flying over the ocean but the frigates never even touched them. In fact the browns helped in the chasing of the Redfoots by the frigates. One time I saw 2 frigates and 6 browns chasing one redfoot when the Redfoot ~~lost~~ dropped its fish the browns beat the frigates to the water and fought over the fish.

June 11 ~~San~~ Oahu, ALAWAI CANAL

~~First~~ First golden plover I've seen was on mud flat in canal. In Breeding plumage.

June 14 (Wake time) WAKE Island.

Arrived on island at 400 pm. Went to the Master Dargatz second floor of terminal and got his OK for a truck while waiting for ride to BOQ. At BOQ went to billeting and registered for room. That night ~~we~~ walked to Flipper point. Ticks still quite abundant at Flipper. Almost all chicks ready to fly. The sooties this time are nesting mostly out on the very point, where a last year on my trip here they were mostly nesting in the high middle section of the point. Probably about 1300 ± 300 chicks in this colony and 50,000 Ads. Adults mostly roosting birds and very jumpy. There are about 50-100 Graybacked terns (hard to estimate as they are mixed in with vast numbers of active sooty terns). I banded 15 chicks which I ~~do~~ believe to be all ^{other} chicks present. No Noddies nesting ~~here~~ on Flipper point. No shorebirds seen anywhere on island. One white-tailed tropicbird seen over antenna field by BOQ and two seen over Peak Island. down by the big gun.

June 15. WAKE Island.

Again no shorebirds anywhere. Went up to Wilkes and ~~estimated~~ estimated frigates and Boobies. There were about 200 boobies and 300 frigates present at 1100 and at 1900 there were about 1800 ± 200 of each. Saw a lesser frigate mixed in with the Greater at 1100 but when I got back from going back to the BOQ

Huber
1966

Journal

June 15, Wake.

To get the gun it was gone. When we ~~checked~~ again at 1900 we finally saw it again after about 45 min watching. Shot it. Saw 2 fairy terns at about 1100 over Kuku point. Also a couple of R.T. tropics flying around over Kuku. Also saw one flying over west end of runway.

The sooty colony ~~at~~ on Kuku is mostly large flying chicks but about 30% are about ready to fly ~~and~~ or half grown. About 200 birds sitting on eggs and maybe about 100 just hatched chicks.

Whole colony probably ~~200,000~~ 150,000 with 15,000 chicks. all very jumpy and hard to band. ~~Each chick~~

only 3 ticks seen and very ~~little~~ little foot stomping seen most birds don't stomp at all.

On flipper much foot stomping and all birds stomped. 3. Brown booby nest found, one had 2 eggs

one large downy young and one with young ready to fly. about 8 browns standing around on Kuku.

at the brown colony at the point near the base of the lilies 16 flying birds were seen 3 of them immatures. area there is now being used for something and is being dug up. Even though they have not actually disturbed the actual nesting area they are close enough the browns will probably never nest there again. Saw 3 blue-faced boobies ~~sitting~~ roosting on rocks off Kuku point.

also a couple of noddy nests on those rocks.

On the pill boxes on Kuku point there are some immature common noddies and some active C.N nests with eggs. No Graybacks in area.

That night when we went out banding sooties ~~each~~ ~~Heiden~~ Heiden and ~~each~~ each found a Newell's shearwater. Both were just sitting on the ground doing nothing not even moaning. They were right in among the sooty terns. Collected both.

Hubert
1966

Journal

June 16, Wake Is. Withes Kukupoint

Banded 7 common noddies chicks and 5 adult common noddies that were nesting on the bunkers at Kukupoint.

The only place where the noddies are nesting on the main islands of Wake, Withes and Peale.

Rest of the day went normal.

June 17, Wake.

Found a R.T. Tropicbird nest on Withes Island at Kukupoint. The chick was about $\frac{1}{3}$ grown.

Nothing else much. Also saw what looked to be a polynesian rat run across the road. It was small, chunky and short tail. It ran across by the main antenna field by the BOQ.

June 19. Wake

Saw a golden plover ~~by~~ in the ponds in the middle of the runway. Banded a adult tropic bird (RTT) that was with the chick. Saw 4 at one time. Saw 3 fairy terns at one time over runway just west of control tower. Also there are small guppy like fish in those ponds in the middle of the runway. I can't see how they can stand the hot water, most of the water is only 4" deep. There are a few bomb holes which get about 5' deep but the fish are still found great distances away from these holes in very hot water.

June 20 Wake

saw 2 wandering tattlers and one noddy turnstone in the ponds in the middle of the runway. Last night we walked out to the rocks out on the reef from Kukupoint. Banded 9 sub-ad BF Bobbies and a few Browns. Also got some returns from roosting Browns. As far as I can see there is only one more Bluefaced Booby out there but it is too far out on the reef to make it worthwhile. There is really a lot of Browns out there probably 50 ± 20 .

Haler ^{LP}
1966

Journal

June 21 Wake Is.

Saw 5 Ruddy turnstone in ponds plus 1 Golden Plover and one wandering tattler. Also caught a subadult Redtailed Tropic bird that was flying over sooty colony on Wilkes. Saw six W.T. Tropic flying together over antenna field area. And saw a orange streamer sooty tern on Flipper point. The streamer was just a stub. Last night as we passed by the airport at about 1030pm I saw ~~red~~ a bird ~~fly~~ flying over the terminal area that ~~was~~ looked like a Newell's in size and shape. A couple of minutes later we went back to terminal area and saw a red-footed booby fly over. Just as we finished watching the redfoot I noticed a bird sitting on the pavement in front of the terminal. It was a wedge-tailed shearwater. Upon skinning it I found a blood clot on the neck just in back of the head and also one on the humerus of a wing. probably ran into one of the lights. I went back to the terminal at 1730 that night and saw sooty terns flying over. Also saw what appeared to be another wedgetailed Shearwater flying low and circling over a flat patch of grass at the north side of the terminal. ~~Am~~ I am not sure about the identification but it's color and flight appeared to be wedgetail.

Definitely 3 streamer sooties that we didn't catch on Wake probably ~~more~~. Yesterday saw a fairly large fish in the terminal ponds. It was ~~have been~~ around 8 inches and its tail kept coming out of the water. So that two species of fish in those ponds. Also ~~have~~ have seen 2 species of skink and what I think are two species of geckos.

Hubert
1966

Journal

Nov. 24 somewhere in the impenetrable ocean.

Reading through a batch of sooty tern I came upon something interesting. Yesterday, at $07^{\circ}18'5''$ $173^{\circ}18'W$, about (in very round numbers) 180 miles from the nearest breeding island (Hull), I collected 5 ad. sooty terns. Aside from their all being ♂, which may or may not mean something, they possibly show a good story with, possibly, a interesting ending (to me anyway). Each bird when arranged in order of progressive molt of the primaries and ~~secondary~~ are only one primary ahead of the preceding bird. When placed in order of progressive tail molt 4 out of the five correlate with the primaries. I am going to have to stop here and explain my theories (or better yet ideas) on the stages of sooty tern Pri. molt. For convenience sake I will break it down to 6 stages - ^{no molt old} P-1-3, replaced 4-6, replaced, 7-9 replaced and then 10 replaced. ^{no molt new} For at Sea Bird I cannot correlate molt with anything but say were on an island. No molt new - would be on egg or small chick (bare brood patch). 1-3 replaced would be on mid to very large chick, ^{3-half replaced BP} 4-6 would be on flying imm and shortly beyond after they leave the island ^{BP patch} (3/4 replaced). and ~~then~~ 7-10 somewhere out of sea many days later (perhaps on their wintering ground. I don't know whether they normally make another round at molt or not before they come back to the island to breed or not but I suspect not. But anyway by the time they start ~~swimming~~ again P#10 is about 1/2 grown and R#6 is about 1/2 grown. ^{no BP patch} When they settle down to nest BP is almost all unfeathered R#6 band new and unbroken and P all new. Well to get back to my 5 sooties coll at Sea. Bird #1 has R all new but #6 1/2 and P 1-7 new 8-10 old. first steps.

Hubert
1966

Journal

24 Nov, somewhere with watery horizon all around us. I guess I'd better present this in a better way.

P	1	2	3	4	5	6	7	8	9	10	R	tail	#6
B1	N	N	N	N	N	N	N	N	O	O	O	7x3	1/2
B2	N	N	N	N	N	N	N	N	1/10	O		7x3	N
B3	N	N	N	N	N	N	N	N	N	1/10		8x4	N
B4	N	N	N	N	N	N	N	N	N	N		6x3	N slightly W
B5	1/2	N	N	N	N	N	N	W	W	W		5x3	badly worn

W - worn (outer worn and turn old foot.)

N - new

O - old

B - gonads

R - refeathering 1/2 bare but looked as if it hadn't been used

I know I need far more than five birds to show anything but what I am getting at is do birds that ~~to the same~~ for some outside stimulus do not go back to the island to breed every year (sub-ad., sick, lack of food supply around breeding island, bad weather for breeding etc) go through a partial breeding cycle at sea. Like, for example gonads go up and regress and BP partly unfeathered and then refeathers. Last trip I shot a almost ad subad and it's ovary was up but it's oviduct had never been used. ???

Hubert
1966

Journal

28 Dec. Midway Atoll Sand Is.

Arrived at about 2pm (Horsehair) and went about the usual miscellaneous checkin. Went around and played with the albatross. It seems as if the average is 3 incubated for most of the area, about, say, a wild guess, 3% are still laying. No chicks at all. Don't know too much about the Blackfoot as I've found only 4 nests all being about 3 incubated also. 2 nests in the open field across from the Terminal and 2 next to the fence of the fuel area across from the BOQ. Spent much time looking for WTS + RTTB but none to be seen. One small FT chick seen but no other evidence of nesting. FT Population way down with only 20 or so seen during the day but may more come into roost at night. The trees around the BOQ have H. robbins on egg about 3/4 well incubated and the rest fresh or nearly so, no chicks. Probably about 40 nests. Another tree across street of Chief's club has about 15 nests with about 5 eggs, 1 small nestling and 3 large nestlings. Many other H.N. nesting around island in groups. Many roosting. Checked about 50 Bonin Islands and ~~all~~ ^{all but one} had brood patches covered over. The one that didn't had its BP 1/2 unfeathered. Fresh plumage. Took as if they are getting ready to breed. Saw one Pintail in the grass next to the BOQ. on flock of about 30 ruddies seen, 8 plovers scatter singly.

29 Dec. Midway Atoll Sand Is.

Saw the single Pintail again on the opposite side of the BOQ, + 4 more almost at the same time, out in the lagoon. Golden plovers and ruddies common. Found about 30 more BFA nests on average nests of BFA seem to be 3/4 - 2/3 incubated there were on the SW shore along runway.

30 Dec. Kure Atoll.

Flew over to Kure about 10:30 am. we circled almost wave top level over the whole circle of reef and over seal island. Counted 62 seals on the island and 12 on Kure. Also saw an adult sooty tern over the Kure lagoon. Went out at about 3pm and walked around Island.

Hubert
1966/67

Journal

30 Dec. Kure

Counted 4 sandpipers, about 9 ruddies and about 4 Golden Plovers. ~~+~~ Saw one weirdly shore bird and attempted to collect it but the bird was out of range when I shot. The interesting thing about this is tonight I went out at about 10pm to check incubation stages of the albatross by candlelight. Well I found my shot sandpiper next to the egg is a BF Alb. nest under the BF alb. It was still fresh, it was definitely shot and dead. Weird luck. Aside from the shot hole the sandy had a large bruise on its side. So I guess the sandy had walked too close to the BF and in its shot condition did not escape in time the BF. Then maybe after a time the BF then used the dead bird for nesting material. Possible? Who knows but I got the bird now. Lewis saw a large gull over antenna field and one of the Coast Guard men here reports a cormorant. Nothing seems to be nesting except the albatross Bonin Islands are all over but no nesting. I counted 62 ad RFB + 5 imm from the Radar reflector in the evening. Lewis counted 88F 75 ad RFB 85 BB 80 BFB from the other towers.

31 Jan Kure Atoll Green Is.

a seal had a pup. on the very tip of north point tonight. When I arrived ~~the~~ the pup was dead. the pup still had the after-birth + umbilical cord still attached and the (sow)?, oh well I hate to say this but, mother was still bleeding so I must have arrived minutes late. the tide was coming up and the higher waves were washing around the pups may have drowned during birth or maybe it was just simply born dead. There was a subad BFB on the point also it had tar all over its belly, right leg and wing. BFA all are on 3/4 incubated eggs + layson on 3 incubated eggs. ~~Hubert~~

31 Jan Kure

heard a BT Cuckoo today while eating lunch in the mess. also heard a couple of RTTB courtin'.

Huber^{LV}
1966

Journal

~~was~~ had large chicks. Redfoots nest on the sida in the
of ~~low~~ to the extent that many of the plants are seemingly killed.

Even though ~~these~~ sida grows commonly along the south
shore there are not many RFB nests in it.

About everyday a school of 8-12 porpoise swim slowly
by about 300' feet off the reef.

The reef all around Jarvis is all normal reddish
except the West shore which has green algae all over it.
The algae starts ~~about~~ ~~but~~ in very small ^{and very scattered} clumps of about
4" across at the NW ~~end~~ and about halfway between
the NW end and the Jap fish boat wreck the reef has gradually
gotten greener and greener till at that halfway point
the reef is very green and stays green till the
SW point of the island where it becomes reddish again.

There is a clut of about 1300 redfoots mostly subad
in the big open area just South of the guano workings
and another one of about 200 mostly subad about
400' north East of the house. In both cases the cluts
are in a RFB nesting area.

Saw a F. BFB wander on to the area of a FBB and the
BB chased and fought the FBB off its territory.

Directly North of the lighthouse towards the
center of the island are two small leucis
colonies. one of about 800 and the other about
3000 birds, almost all on eggs or small
naked chicks. All nests are on clumps of
Lepturus, and not on the flat ground. At the
very center of the island there is another colony
of about 3000 birds, breeding status not
determined.

Haber ^{LL}
1966

Journal

Aug 8-10 Jarvis Is.

The rats don't seem to have increased since my last visit in 1964. I don't think the total number exceeds 30 and is probably closer to 20. They seem to be much healthier this time than last. Probably because of the increased food supply. (mice and birds). Almost impossible to run them down this time. Saw a maximum of seven in one night. Four of which were in or around the guano workings and three which were at the small sooty colony at the north end of the island. ~~Indubitably many~~ I only saw one at the main sooty colony. It was a ♀ with 3 kittens. It had its den in a cavity in a clump of Lepidurus. This clump was at the very north end of the sooty colony and only about ten feet from the last nesting sooties.

Shot one cat out of the wreck during the day. I noticed several spots usually near the sooty colonies holes dug out in the ground in clumps of Lepidurus or other thicker plants. I suspect these are day nests for cats as the holes are not similar to bird diggings. They are about 1 1/2 feet wide and 2 foot deep. Not much signs of bird killings by cats. Possibly they prefer mice which at the present time seem to be undergoing a population explosion.

While on Jarvis the first day egg collectors walked off with the egg of a RTTB in the house. Each morning there was a tropicbird shuffling around in that spot and I assume it is the tropicbird that lost its egg or its mate. Two days later it

Rats

Hubert L. N.
1966

Journal

There must be a great change in the ground among the rocks. or even the rocks themselves. When we were on Jarvis in 1963 we marked many RFTO ~~nests~~ sites with paint. Now the paint is still there in fine condition but ~~the~~ ^{many} rocks are half buried and impossible to nest under. Either the rocks are shifting down or the island sand is building higher. There are probably 800-1000 birds in those rocks I found three nests with two med. young each. ??? Maybe? or just maybe two nests so close together that the young stay next to each other for warmth. (both examples seen at night without the adults)

The BFB nested mostly in a ring around the island between the vegetation line and 400' feet inland. Probably about 1000 roosters (500 in one cluster center of island) (150 in cluster by light house) and the rest scattered in smaller clusters elsewhere) and 3000 nesting around the rest of the island. After BB nesting around the ~~shore~~ shore maybe 20 all together and many nests in the guano workings. Several ~~clubs~~ clubs of Browns around the shore two of which had about 75 browns each, a few small clutches of them, many roosting at night in the guano workings. No red tailed tropic birds along ~~east~~ east shore ~~side~~ but a few (maybe 20) nesting at the North ^{side} and maybe about 150 nesting on the west shore. Reef birds nested in scattered spots almost always in the presence of Sida around the south side and SW side, and N middle. Most were nesting in the open areas ~~in the~~ about 400' north of the house and ~~in~~ in areas around the guano workings. Probably about 50 RFB nests around guano workings. Mostly on large ~~egg~~ nestings and a few eggs. All brown nests seen

Hubert
1966

Journal

P
E

3 Dec. Phoenix Is.

Aside from the usual nasty thoughts about our captain if always noticed something about the southern sooties that differs from the northern sooties but as of yet I've never written about it. Why in the southern islands one never sees ~~to~~ vast numbers of subad and weird color phases (gray edging to back feathers or crown feathers) as one does in the northern sooty tern colonies. And as for as that goes there always seems to be a lack of roosting birds in the southern colonies. Food for thought. Might not possibly people ^{constantly} on several of the breeding islands be involved. Or maybe might those islands be in an area where many of the young birds spend their first couple years of their life and are attracted to the breeding colonies. The latter sounds better.

7 Dec. Enderby Is.

On Phoenix island there are two places where the WTSP nest in abundance (when nesting) and only one place where the Bulwers pet. nest in abundance. The two places for the WTSP are in ~~the grass~~ a small grassy area behind camp ~~and~~ down by the lagoon next to the large side clump. The other place is in the long pile of rocks near shore on the SW side of the island. The main breeding area for the Bulwers is also in this latter place. Every trip I've ever been to Phoe. there is been WTSP nesting in the rocks and I've never been there when the Bulwers have been as abundant as they have this time. This trip there was not one Nesofrig nesting or even found in the rocks only Bulwers (which were nesting) and there were a fair number

of nesting Nesofrig nesting in the grassy area. I wonder if the two species are incompatible while nesting (probably because of like nesting habitat in small quantity) and this is why Nesofrig are ~~way~~ out of sequence with the other Procelloformes.